PHE450



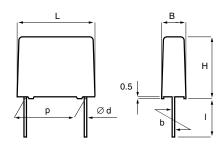
- Double metallized film pulse capacitor, polypropylene dielectric
- According to IEC 60384-17 Grade 1.1
- Small sizes
- Replacing PHE427, PHE428

TYPICAL APPLICATIONS

CONSTRUCTION

High frequency applications with high current stress, such as deflection circuits in TV-sets, protection circuits in SMPS and in electronic ballasts.

Polypropylene dielectric with double metallized polyester film as electrodes. Encapsulation in self-extinguishing material meeting the requirements of UL 94V-0.



TECHNICAL DATA												
Rated voltage U _R , VDC Rated voltage U _R , VAC Capacitance range		400 250 330pF– 5.6μF	630 300/400 330pF- 3.3μF		2.7nF-		2500 900 1nF– 0.22μF					
Capacitance values	In accord	dance with	n IEC E12	series.								
Capacitance tolerance ±5% standard. Other tolerances on request												

р	d	std I	max I	b
7.5 ± 0.4	0.6	5-1	30	± 0.4
10.0 ± 0.4	0.6	5-1	30	± 0.4
15.0 ± 0.4	0.8	6 ⁻¹	30	± 0.4
22.5 ± 0.4	0.8	6-1	30	± 0.4
27.5 ± 0.4	0.8	6-1	30	± 0.4
37.5 ± 0.5	1.0	6-1	30	± 0.7

Category

temperature range -55° C to +105° C

Rated temperature +85° C

The rated voltage is decreased with 1.3% / ° C Voltage derating

between +85° C and +105° C

Climatic category 55/105/56/B

Test voltage

between terminals The 100 % factory test is carried out at 1.6 x U_R VDC

Measured at 23° C, 100 VDC 60s for $\rm U_R < 500~VDC$ and at 500 VDC for $\rm U_R \ge 500~VDC$ Insulation resistance

Between terminals: $C \leq 0.33~\mu F; \geq 100~000~M\Omega$ $C > 0.33 \ \mu F: \ge 30 \ 000 \ s$ Between terminals and case:

 \geq 100 000 M Ω

Dissipation factor tanδ Maximum values at 23°C

	$C \leq 0.1~\mu F$	$0.1~\mu F < C \leq 1.0~\mu F$	$C > 1.0 \mu F$
1 kHz	0.03 %	0.03 %	0.03 %
10 kHz	0.04 %	0.06 %	-
100 kHz	0.15 %	_	_

Inductance Approximately 6 nH/cm for the total length of capacitor

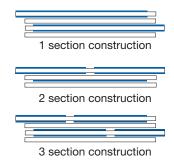
winding and the leads.

Pulse rise time The capacitors can withstand an unlimited number of pulses

with a dU/dt according to the article table. For peak to peak voltages lower than the rated voltage $(U_{pp} < U_{p})$, the specified

dU/dt can be multiplied by U_R/U_{PP}.

Three different winding constructions are used, depending on voltage and lead spacing. They are specified in the article table.

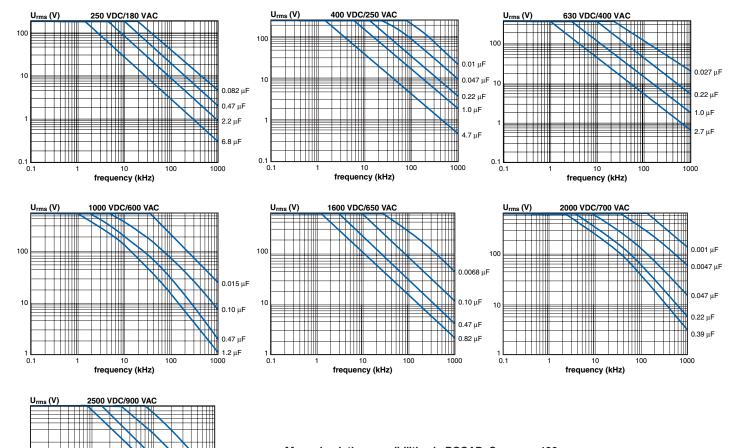


ENVIRONMENTAL TEST DATA

According to IEC 60384-17, Grade 1.1 and Quality tests and requirements for Pulse Capacitors on page 107.



DERATING OF $U_{\rm RMS}$ VS FREQUENCY, +85°C AMBIENT TEMPERATURE AND 10°C INTERNAL HEATING, TYPICAL VALUES



More simulation possibilities in PCCAD. See page 106.

ORDERING INFORMATION

0.0010 μF 0.0039 μF

0.010 μF 0.027 μF 1000

The article code for the standard part is given in the article table. For other options, see page 12.

frequency (kHz)

MARKING

- RIFA
- Article code
- Rated capacitance according to IEC 60062
- Rated voltage
- Capacitance tolerance code
- Manufacturing code (year, month)

Part								ARTICL	E TABLE							
LEAD SPACING 7.5 MM	Capaci- tance µF	code in mm dU/dt °C/W B H L V/µs 85 °C		tance		in m	m		dU/dt	°C/W 85 °C	;					
0.00033 KO1 4.0 8.0 10.0 2000 160 PHE450HK3330JR050 0.00039 KO1 4.0 8.0 10.0 2000 160 PHE450HK3330JR050 0.00036 KO1 4.0 8.0 10.0 2000 160 PHE450HK3350JR050 0.0088 KO1 4.0 8.0 10.0 2000 160 PHE450HK3650JR050 0.10 804 5.5 10.5 18.0 600 100 PHE450HS6580JR050 0.0008 KO1 4.0 8.0 10.0 2000 160 PHE450HK3650JR050 0.10 804 5.5 10.5 18.0 600 100 PHE450HS6580JR050 0.0008 KO1 4.0 8.0 10.0 2000 160 PHE450HK3650JR050 0.15 805 5.5 12.5 18.0 600 0.9 PHE450HS65BJR050 0.0012 KO1 4.0 8.0 10.0 2000 160 PHE450HK3650JR050 0.15 805 5.5 12.5 18.0 600 85 PHE450HB6150JR050 0.0012 KO1 4.0 8.0 10.0 2000 160 PHE450HK410JR050 0.15 805 5.5 12.5 18.0 600 85 PHE450HB6150JR050 0.0012 KO1 4.0 8.0 10.0 2000 160 PHE450HK410JR050 0.22 806 7.5 14.5 18.0 600 87 PHE450HB6150JR050 0.0013 KO1 4.0 8.0 10.0 2000 160 PHE450HK410JR050 0.22 806 7.5 14.5 18.0 600 87 PHE450HB6150JR050 0.0013 KO1 4.0 8.0 10.0 2000 160 PHE450HK410JR050 0.22 806 7.5 14.5 18.0 600 87 PHE450HB6150JR050 0.0013 KO1 4.0 8.0 10.0 2000 160 PHE450HK420JR050 0.22 806 7.5 14.5 18.0 600 87 PHE450HB6150JR050 0.0013 KO1 4.0 8.0 10.0 2000 160 PHE450HK430JR050 0.22 806 7.5 14.5 18.0 600 87 PHE450HB6150JR050 0.0013 KO1 4.0 8.0 10.0 2000 160 PHE450HK430JR050 0.22 806 7.5 14.5 18.0 600 87 PHE450HB630JR050 0.0033 KO1 4.0 8.0 10.0 100 160 PHE450HK430JR050 0.22 806 7.5 14.5 18.0 600 87 PHE450HB630JR050 0.0033 KO1 4.0 8.0 10.0 100 160 PHE450HK430JR050 0.27 806 7.5 14.5 18.0 600 87 PHE450HB630JR050 0.0033 KO1 4.0 8.0 10.0 140 160 PHE450HK430JR050 0.22 80 80 7.5 14.5 18.0 600 87 PHE450HB630JR050 0.0033 KO1 4.0 8.0 10.0 140 160 PHE450HK430JR050 0.22 80 80 80 80 80 80 9 PHE450HB630JR050 0.22 80 80 80 80 9 PHE450HB630JR050 0.22 80 80 80 9 PHE450HB630JR050 0.22 80 80 80 80 80 9 PHE450HB630JR050 0.22 80 80 80 80 9 PHE450HB630JR050 0.22 80 80 80 9 PHE450HB630JR050 0.22 80 80 80 9 PHE450HB630JR050 0.22 80 80 80 80 9 PHE450HB630JR050 0.22 80 80 80 80 9 PHE450HB	250	VDC .	/180	VAC	(1 :	sectio	n wine	ding construction)			250) VD(7180	VAC	(1 s	section)
0.00039 KOI 4.0 8.0 10.0 2000 100 PHE45OHHAS3OUROS 0.008 BOI 4.5 10.5 18.0 1000 100 PHE45OHHSSSOUROS 0.0086 KOI 4.0 8.0 10.0 2000 100 PHE45OHHASSOUROS 0.008 BOI 4.5 10.5 18.0 1000 101 PHE45OHHSSSOUROS 0.008 BOI 4.5 10.5 18.0 1000 100 PHE45OHHSSSOUROS 0.15 BOI 5.5 10.5 18.0 1000 99 PHE45OHHSSSOUROS 0.007 KOI 4.0 8.0 10.0 2000 100 PHE45OHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 99 PHE45OHHSSSOUROS 0.007 KOI 4.0 8.0 10.0 2000 100 PHE45OHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 8.3 PHE4SOHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 7.3 PHE4SOHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 7.3 PHE4SOHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 6.5 PHE4SOHHSSSOUROS 0.25 BOI 6.5 10.5 18.0 1000 6.5 PHE4SOHHSSSOUROS 0.25 BOI 6.5 10.5 18.0 1000 6.5 PHE4SOHHSSSOUROS 0.25 BOI 6.5 10.5 18.0 1000 6.5 PHE4SOHHSSS				LEA	D SP	ACING	3 7.5 N	им	LEAD SPACING 15 MM						1M	
0.00039 KOI 4.0 8.0 10.0 2000 100 PHE45OHHAS3OUROS 0.008 BOI 4.5 10.5 18.0 1000 100 PHE45OHHSSSOUROS 0.0086 KOI 4.0 8.0 10.0 2000 100 PHE45OHHASSOUROS 0.008 BOI 4.5 10.5 18.0 1000 101 PHE45OHHSSSOUROS 0.008 BOI 4.5 10.5 18.0 1000 100 PHE45OHHSSSOUROS 0.15 BOI 5.5 10.5 18.0 1000 99 PHE45OHHSSSOUROS 0.007 KOI 4.0 8.0 10.0 2000 100 PHE45OHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 99 PHE45OHHSSSOUROS 0.007 KOI 4.0 8.0 10.0 2000 100 PHE45OHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 8.3 PHE4SOHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 7.3 PHE4SOHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 7.3 PHE4SOHHSSSOUROS 0.25 BOI 5.5 10.5 18.0 1000 6.5 PHE4SOHHSSSOUROS 0.25 BOI 6.5 10.5 18.0 1000 6.5 PHE4SOHHSSSOUROS 0.25 BOI 6.5 10.5 18.0 1000 6.5 PHE4SOHHSSSOUROS 0.25 BOI 6.5 10.5 18.0 1000 6.5 PHE4SOHHSSS	U UUU33	KN1	<i>4</i> ∩	8.0	10.0	2000	160	PHE450HK3330 IR05	0.047	B04	5.5	10.5	18.0	1000	100	PHE450HR5470 IR06
0.00005 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.008 B04 5.5 10.5 18.0 1000 100 PHESOPHISSOLROS 0.0080 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.0082 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.0082 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.12 B04 5.5 10.5 18.0 600 19 PHESOPHISSOLROS 0.0010 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.12 B04 5.5 10.5 18.0 600 98 PHESOPHISSOLROS 0.0010 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.12 B04 5.5 10.5 18.0 600 98 PHESOPHISSOLROS 0.0010 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.15 B05 5.5 12.5 18.0 600 85 PHESOPHISSOLROS 0.0016 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.18 B05 6.5 12.5 18.0 600 85 PHESOPHISSOLROS 0.0016 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.22 B06 7.5 14.5 18.0 600 74 PHESOPHISSOLROS 0.002 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.22 B06 7.5 14.5 18.0 600 74 PHESOPHISSOLROS 0.002 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.22 B06 7.5 14.5 18.0 600 75 PHESOPHISSOLROS 0.003 KO1 4.0 8.0 10.0 2000 160 PHESOPHISSOLROS 0.27 B06 7.5 14.5 18.0 600 74 PHESOPHISSOLROS 0.003 KO1 4.0 8.0 10.0 10.0 10.0 PHESOPHISSOLROS 0.39 B11 8.5 16.0 18.0 600 67 PHESOPHISSOLROS 0.003 KO1 4.0 8.0 10.0 10.0 10.0 PHESOPHISSOLROS 0.39 B11 8.5 16.0 18.0 600 67 PHESOPHISSOLROS 0.003 KO1 4.0 8.0 10.0 10.0 10.0 PHESOPHISSOLROS 0.22 B06 7.5 14.5 18.0 600 67 PHESOPHISSOLROS 0.003 KO1 4.0 8.0 10.0 10.0 10.0 PHESOPHISSOLROS 0.25 KO1 4.0 8.0 10.0 PHESOPHISSOLROS 0.25 KO1 4.0 8.0 10.0 REPORT 0.20 KO1 4.0 PHESOPHISSOLROS 0.25 KO1 4.0 8.0 10.0 REPORT 0.20 KO1 4.0 PHESOPHISSOLROS 0.25 KO1 4.0 REPORT 0.20 KO1 4.0 R																
0.00008 K01 4.0 8.0 10.0 2000 160 PHE459HK369BUJR05 0.12 B04 5.5 10.5 10.0 600 100 PHE459HB10UJR06 0.12 B04 0.0010 K01 4.0 8.0 10.0 2000 160 PHE459HK36410UJR05 0.18 B05 5.5 12.5 18.0 600 8.5 PHE459HB15UJR06 0.10																
0.00002 K01 4.0 8.0 10.0 2000 160 PHE459HK369LNB005 0.15 B05 55 12.5 18.0 600 89 PHE459HB361QARD6 0.0012 K01 4.0 8.0 10.0 2000 160 PHE459HK419LNB005 0.15 B05 5.5 12.5 18.0 600 83 PHE459HB361QARD6 0.0012 K01 4.0 8.0 10.0 2000 160 PHE459HK419LNB005 0.22 B06 7.5 14.5 18.0 600 73 PHE459HB362DARD6 0.0013 K01 4.0 8.0 10.0 2000 160 PHE459HK419LNB005 0.22 B06 7.5 14.5 18.0 600 73 PHE459HB362DARD6 0.0022 K01 4.0 8.0 10.0 2000 160 PHE459HK419LNB005 0.22 B06 7.5 14.5 18.0 600 73 PHE459HB362DARD6 0.0022 K01 4.0 8.0 10.0 2000 160 PHE459HK419LNB005 0.33 B11 8.5 18.0 18.0 600 67 PHE459HB362DARD6 0.0023 K01 4.0 8.0 10.0 2000 160 PHE459HK419LNB005 0.33 B11 8.5 18.0 18.0 600 66 PHE459HB362DARD6 0.0024 K01 4.0 8.0 10.0 2000 160 PHE459HK419DARD6 0.47 B14 8.0 18.0 600 66 PHE459HB362DARD6 0.0024 K01 4.0 8.0 10.0 1400 160 PHE459HK419DARD6 0.47 B14 8.0 18.0 600 66 PHE459HB362DARD6 0.0024 K01 4.0 8.0 10.0 1400 160 PHE459HK419DARD6 0.22 D13 6.5 14.5 26.0 400 60 PHE459HB362DARD6 0.0024 K01 4.0 8.0 10.0 1200 160 PHE459HK459DARD6 0.22 D13 6.5 14.5 26.0 400 69 PHE459HB362DARD6 0.0024 K01 4.0 8.0 10.0 1200 160 PHE459HK459DARD6 0.22 D13 6.5 14.5 26.0 400 69 PHE459HB362DARD6 0.0024 K01 4.0 8.0 10.0 100 800 160 PHE459HK459DARD6 0.22 D13 6.5 14.5 26.0 400 69 PHE459HB362DARD6 0.0034 K01 4.0 8.0 10.0 800 160 PHE459HK459DARD6 0.22 D13 6.5 14.5 26.0 400 69 PHE459HB362DARD6 0.0034 K01 4.0 8.0 10.0 800 160 PHE459HK459DARD6 0.33 D17 7.0 16.5 26.0 400 69 PHE459HB362DARD6 0.0034 K01 4.0 8.0 10.0 800 160 PHE459HK459DARD6 0.33 D17 7.0 16.5 26.0 400 69 PHE459HB362DARD6 0.0034 K01 4.0 8.0 10.0 800 160 PHE459HK459DARD6 0.33 D17 7.0 16.5 26.0 400 69 PHE459HB362DARD6 0.0034 K01 4.0 8.0 10.0 800 160 PHE459HK459DARD6 0.33 D17 7.0 16.5 26.0 400 69 PHE459HB362DARD6 0.0034 K01 4.0 8.0 10.0 800 160 PHE459HK459DARD6 0.33 D17 7.0 16.5 26.0 400 69 PHE459HB362DARD6 0.0034 K01 4.0 8.0 10.0 800 160 PHE459HK459DARD6 0.33 D17 7.0 16.5 26.0 400 69 PHE459HB362DARD6 0.0034 K01 4.0 8.0 10.0 800 160 PHE459HK459DARD6 0.33 D18 9.0 8.5 18.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	0.00056	K01	4.0	8.0	10.0	2000	160	PHE450HK3560JR05	0.082	B04	5.5	10.5	18.0	600	101	PHE450HB5820JR06
0.0010 (NOT 4.0 8.0 10.0 2000 160 PHE459DHK410QJR05	0.00068	K01	4.0	8.0	10.0		160	PHE450HK3680JR05	0.10	B04	5.5	10.5	18.0	600	100	PHE450HB6100JR06
0.0016 K01 4.0 8.0 10.0 2000 160 PHE459HK419QJR05 0.22 R06 7.5 14.5 18.0 600 83 PHE459HB162QJR06 0.0018 K01 4.0 8.0 10.0 2000 160 PHE459HK419QJR05 0.22 R06 7.5 14.5 18.0 600 7.3 PHE459HB22QJR06 0.0026 K01 4.0 8.0 10.0 2000 160 PHE459HK419QJR05 0.33 B11 8.5 18.0 18.0 600 7.3 PHE459HB22QJR06 0.0027 K01 4.0 8.0 10.0 2000 160 PHE459HK42QJR05 0.33 B11 8.5 18.0 18.0 600 6.6 PHE459HB22QJR06 0.0028 K01 4.0 8.0 10.0 2000 160 PHE459HK42QJR05 0.33 B11 8.5 18.0 18.0 600 6.6 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 2000 160 PHE459HK43QJR05 0.37 B11 8.5 18.0 18.0 600 6.5 PHE459HB33QJR06 0.0028 K01 4.0 8.0 10.0 100 1400 160 PHE459HK43QJR05 0.32 B11 8.5 18.0 18.0 600 6.5 PHE459HB33QJR06 0.0028 K01 4.0 8.0 10.0 1400 160 PHE459HK43QJR05 0.22 D13 6.5 14.5 26.0 600 60 PHE459HB33QJR06 0.0028 K01 4.0 8.0 10.0 1400 160 PHE459HK43QJR05 0.22 D13 6.5 14.5 26.0 600 80 PHE459HB33QJR06 0.0028 K01 4.0 8.0 10.0 1200 160 PHE459HK45QJR05 0.22 D13 6.5 14.5 26.0 600 80 PHE459HB33QJR06 0.0028 K01 4.0 8.0 10.0 1200 160 PHE459HK45QJR05 0.22 D13 6.5 14.5 26.0 600 80 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK45QJR05 0.33 D13 6.5 14.5 26.0 400 80 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK45QJR05 0.33 D13 6.5 14.5 26.0 400 80 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK59QJR05 0.33 D13 6.5 14.5 26.0 400 80 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK59QJR06 0.33 D13 6.5 14.5 26.0 400 80 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK59QJR06 0.33 D13 6.5 14.5 26.0 400 80 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK59QJR06 0.33 D17 7.0 16.5 26.0 400 80 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK59QJR06 0.33 D17 7.0 16.5 26.0 400 80 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK459QJR06 0.33 D18 9.0 18.5 26.0 400 40 8 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK459QJR06 0.33 D18 9.0 18.5 26.0 400 43 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 800 160 PHE459HK459QJR06 0.33 D18 9.0 18.5 26.0 400 40 8 PHE459HB23QJR06 0.0028 K01 4.0 8.0 10.0 10.0 800 160 PHE																
10.0016 10.01 4.0 8.0 10.0 2000 160 PHEASOHKA1SQUROS 0.22 806 7.5 14.5 18.0 600 7.4 PHEASOHKA1SQUROS 0.002 14.0 8.0 10.0 2000 160 PHEASOHKA1SQUROS 0.33 B12 8.0 15.0 18.0 600 67 PHEASOHRASQUROS 0.33 B12 8.0 15.0 18.0 600 67 PHEASOHRASQUROS 0.33 B12 8.0 15.0 18.0 600 67 PHEASOHRASQUROS 0.34 8.0 10.0 2000 160 PHEASOHKA1SQUROS 0.37 B11 8.5 16.0 18.0 600 60 PHEASOHRASQUROS 0.0034 7.0																
0.0016 KO1 4.0 8.0 10.0 2000 160 PHEASOHKA19AJROS 0.27 806 7.5 14.5 18.0 600 73 PHEASOHRAGEZOJAROS 0.0027 KO1 4.0 8.0 10.0 2000 160 PHEASOHKA27AJROS 0.39 811 8.5 16.0 18.0 600 65 PHEASOHRAGESOJAROS 0.0034 KO1 4.0 8.0 10.0 2000 160 PHEASOHKA27AJROS 0.39 811 8.5 16.0 18.0 600 65 PHEASOHRAGESOJAROS 0.0038 KO1 4.0 8.0 10.0 2000 160 PHEASOHKA37AJROS 0.47 814 9.5 17.5 18.0 600 65 PHEASOHRAGESOJAROS 0.0034 KO1 4.0 8.0 10.0 1400 160 PHEASOHKA37AJROS 0.47 814 9.5 17.5 18.0 600 65 PHEASOHRAGESOJAROS 0.0034 KO1 4.0 8.0 10.0 1400 160 PHEASOHKA37AJROS 0.47 814 9.5 17.5 18.0 600 65 PHEASOHRAGESOJAROS 0.0034 KO1 4.0 8.0 10.0 1400 160 PHEASOHKA39AJROS 0.47 814 9.5 17.5 18.0 600 65 PHEASOHRAGESOJAROS 0.47 814 9.5 17.5 18.0 600 65 PHEASOHRAGESOJAROS 0.47 814 9.5 17.5 18.0 600 66 PHEASOHRAGESOJAROS 0.47 9.4 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14																
0.0022 K01 4.0 8.0 10.0 2000 160 PhE430HK4220JR05 0.33 B12 8.0 15.0 18.0 600 67 PhE4590HB6330JR06 0.0038 K01 4.0 8.0 10.0 2000 160 PhE430HK4250JR05 0.47 B14 8.5 16.0 18.0 600 60 PhE450HB6470JR06 0.0036 K01 4.0 8.0 10.0 2000 160 PhE450HK4350JR05 0.47 B14 8.5 17.5 18.0 600 60 PhE450HB6470JR06 0.0047 K01 4.0 8.0 10.0 1400 160 PhE450HK4350JR05 0.0056 K01 4.0 8.0 10.0 1400 160 PhE450HK450JR05 0.0056 K01 4.0 8.0 10.0 1400 160 PhE450HK450JR05 0.22 D13 6.5 14.5 26.0 400 60 PhE450HB6470JR06 0.0056 K01 4.0 8.0 10.0 1400 160 PhE450HK450JR05 0.22 D13 6.5 14.5 26.0 400 60 PhE450HB6270JR06L 0.0056 K01 4.0 8.0 10.0 120 160 PhE450HK5120JR05 0.22 D13 6.5 14.5 26.0 400 60 PhE450HB6270JR06L 0.012 K01 4.0 8.0 10.0 120 160 PhE450HK5120JR05 0.22 D13 6.5 14.5 26.0 400 60 PhE450HB6270JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5120JR05 0.33 D13 6.5 14.5 26.0 400 59 PhE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5120JR05 0.33 D13 6.5 14.5 26.0 400 59 PhE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5120JR05 0.39 D17 7.0 16.5 26.0 400 59 PhE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5120JR05 0.47 D17 7.0 16.5 26.0 400 59 PhE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5270JR06L 0.68 D15 9.0 18.5 26.0 400 59 PhE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5270JR06L 0.68 D15 9.0 18.5 26.0 400 59 PhE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5270JR06L 0.68 D15 9.0 18.5 26.0 400 40 PPHE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5270JR06L 0.68 D15 9.0 18.5 26.0 400 40 PPHE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5270JR06L 0.68 D15 9.0 18.5 26.0 400 40 PPHE450HB639JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5270JR06L 0.012 K01 4.0 8.0 10.0 10.0 800 160 PhE450HK5270JR06L 0.012 K01 4.0 8.0 10.0 800 160 PhE450HK5270JR06L 0.012 K01 4.0 8.0 10.0 10.0 800 160 PhE450HK5270JR06L 0.012 K01 4.0 8.0 10.0 10.0 800 160 PhE450HK5270JR06L																
0.0027 Voi 4.0 8.0 10.0 2000 60 PhE450HK427QJR05 0.39 B11 8.5 16.0 18.0 600 60 PhE450H6439QJR05 0.0038 Voi 4.0 8.0 10.0 2000 60 PhE450HK439QJR05 0.0056 Voi 4.0 8.0 10.0 1400 160 PhE450HK439QJR05 0.0068 Voi 4.0 8.0 10.0 1400 160 PhE450HK439QJR05 0.0068 Voi 4.0 8.0 10.0 1400 160 PhE450HK439QJR05 0.0068 Voi 4.0 8.0 10.0 1400 160 PhE450HK439QJR05 0.20 0.18 0.18 0.5 14.5 26.0 400 60 PhE450H639QJR05 0.20 0.18 Voi 4.0 8.0 10.0 1000 160 PhE450HK459QJR05 0.27 0.13 6.5 14.5 26.0 400 60 PhE450H629QJR061 0.20 0.12 Voi 4.0 8.0 10.0 100 160 PhE450HK519QJR05 0.27 0.13 6.5 14.5 26.0 400 59 PhE450H629QJR061 0.12 Voi 4.0 8.0 10.0 800 160 PhE450HK519QJR05 0.39 0.17 7.0 16.5 26.0 400 58 PhE450HD39QJR061 0.0068 Voi 4.0 8.0 10.0 800 160 PhE450HK519QJR05 0.39 0.17 7.0 16.5 26.0 400 58 PhE450HD39QJR061 0.007																
0.0038 KO1 4.0 8.0 10.0 2000 160 PHE450HK4330JR06 0.47 B14 9.5 17.5 18.0 600 60 PHE450HB6470JR06 0.0047 KO1 4.0 8.0 10.0 1400 160 PHE450HK4670JR05 0.0056 KO1 4.0 8.0 10.0 1400 160 PHE450HK4690JR05 0.22 D13 6.5 14.5 26.0 600 58 PHE450HD6180JR06L 0.0082 KO1 4.0 8.0 10.0 1400 160 PHE450HK4690JR05 0.22 D13 6.5 14.5 26.0 600 58 PHE450HD6180JR06L 0.0082 KO1 4.0 8.0 10.0 1200 160 PHE450HK569JR05 0.22 D13 6.5 14.5 26.0 400 69 PHE450HD620JR06L 0.012 KO1 4.0 8.0 10.0 1200 160 PHE450HK5180JR05 0.22 D13 6.5 14.5 26.0 400 59 PHE450HD620JR06L 0.012 KO1 4.0 8.0 10.0 800 160 PHE450HK5180JR05 0.33 D17 7.0 16.5 26.0 400 54 PHE450HD620JR06L 0.012 KO1 4.0 8.0 10.0 800 160 PHE450HK5180JR05 0.40 4.0 8.0 10.0 800 160 PHE450HK5180JR05 0.82 D15 9.0 18.5 26.0 400 47 PHE450HD680JR06L 0.033 KO1 4.0 8.0 10.0 800 160 PHE450HK530JR05 0.82 D15 9.0 18.5 26.0 400 47 PHE450HD680JR06L 0.033 KO1 4.0 8.0 10.0 800 160 PHE450HK530JR05 0.82 D16 10.0 160 PHE450HK5930JR05 0.82 D16 0.82 ENDIANG 0.82 END																
0.0039 KO1 4.0 8.0 10.0 2000 160 PHE450HK4350JR05 PHE450HK4350JR05 0.0068 KO1 4.0 8.0 10.0 1400 160 PHE450HK4450JR05 0.18 D13 6.5 14.5 26.0 400 60 PHE450HC650JR05 0.18 D13 6.5 14.5 26.0 400 60 PHE450HC650JR065 0.18 D13 6.5 14.5 26.0 400 50 PHE450HC650JR065 0.18 D13 0.18 0.	0.0033															
0.0056 KO1 4.0 8.0 10.0 1400 160 PHE450HK4560JR05 0.18 D13 6.5 14.5 26.0 600 58 PHE450HD6180JR06L5 0.0062 KO1 4.0 8.0 10.0 1400 160 PHE450HK510JR065 0.22 D13 6.5 14.5 26.0 400 50 PHE450HD6220JR06L5 0.010 KO1 4.0 8.0 10.0 1200 160 PHE450HK510JR065 0.27 D13 6.5 14.5 26.0 400 59 PHE450HD6220JR06L5 0.011 KO1 4.0 8.0 10.0 1200 160 PHE450HK510JR065 0.33 D13 6.5 14.5 26.0 400 58 PHE450HD6220JR06L5 0.015 KO1 4.0 8.0 10.0 1200 160 PHE450HK510JR065 0.33 D13 6.5 14.5 26.0 400 58 PHE450HD6330JR06L5 0.015 KO1 4.0 8.0 10.0 800 160 PHE450HK510JR065 0.39 D17 7.0 16.5 26.0 400 58 PHE450HD6330JR06L5 0.015 KO1 4.0 8.0 10.0 800 160 PHE450HK510JR065 0.39 D17 7.0 16.5 26.0 400 58 PHE450HD6330JR06L5 0.015 KO1 4.0 8.0 10.0 800 160 PHE450HK510JR065 0.39 D17 7.0 16.5 26.0 400 58 PHE450HD6330JR06L5 0.022 KO1 4.0 8.0 10.0 800 160 PHE450HK5820JR065 0.66 D15 9.0 18.5 26.0 400 49 PHE450HD6360JR06L5 0.027 KO3 50 11.0 10.0 800 160 PHE450HK530JR065 0.68 D15 9.0 18.5 26.0 400 49 PHE450HD6360JR06L5 0.039 KO3 5.0 11.0 10.0 800 160 PHE450HK530JR065 0.82 D18 10.5 19.0 26.0 400 47 PHE450HD6360JR06L5 0.039 KO3 5.0 11.0 10.0 800 160 PHE450HK530JR065 1.0 D16 11.0 21.5 26.0 400 47 PHE450HD6360JR06L5 0.039 KO3 5.0 11.0 10.0 800 160 PHE450HK540JR065 1.8 D20 13.5 23.0 26.0 400 38 PHE450HD67180JR06L5 0.0068 KO3 5.0 11.0 10.0 800 160 PHE450HK540JR065 1.8 D20 13.5 23.0 26.0 400 38 PHE450HD7180JR06L5 0.0068 KO3 5.0 11.0 10.0 800 160 PHE450HK540JR065 1.8 D20 13.5 23.0 26.0 400 38 PHE450HD7180JR06L5 0.0068 KO3 5.0 11.0 10.0 800 160 PHE450HK540JR065 1.8 D20 13.5 23.0 26.0 400 38 PHE450HD7180JR06L5 0.0068 KO3 5.0 11.0 10.0 800 160 PHE450HK540JR065 1.8 D20 13.5 23.0 26.0 400 38 PHE450HD7180JR06L5 0.0068 KO3 5.0 11.0 10.0 142 PHE450HA410JR065 1.5 D20 13.5 23.0 26.0 400 38 PHE450HD7180JR06L5 0.0068 KO3 5.0 11.0 10.0 142 PHE450HA410JR065 1.5 D20 13.5 23.0 26.0 400 38 PHE450HD7180JR06L5 0.0068 KO3 5.0 11.0 10.0 142 PHE450HA410JR065 1.5 D20 13.5 23.0 26.0 400 38 PHE450HF710JJR06L5 0.0068 KO3 5.0 11.0 10.0 142 PHE450HA410JR065 1.5 D20 13.5 23.0 26.0 400 38 PHE450HF710JJR0	0.0039	K01	4.0	8.0	10.0	2000	160									
0.0088 K01 4.0 8.0 10.0 1400 160 PHE450HK4880JR05 0.18 D13 6.5 14.5 26.0 600 58 PHE450HD682DJR06L 0.010 K01 4.0 8.0 10.0 1200 160 PHE450HK5100JR05 0.27 D13 6.5 14.5 26.0 400 59 PHE450HD682DJR06L 0.012 K01 4.0 8.0 10.0 1200 160 PHE450HK510DJR05 0.27 D13 6.5 14.5 26.0 400 59 PHE450HD682DJR06L 0.015 K01 4.0 8.0 10.0 1200 160 PHE450HK510DJR05 0.33 D13 6.5 14.5 26.0 400 59 PHE450HD682DJR06L 0.015 K01 4.0 8.0 10.0 800 160 PHE450HK510DJR05 0.33 D13 6.5 14.5 26.0 400 54 PHE450HD682DJR06L 0.018 K01 4.0 8.0 10.0 800 160 PHE450HK510DJR05 0.39 D17 7.0 16.5 26.0 400 54 PHE450HD682DJR06L 0.022 K01 4.0 8.0 10.0 800 160 PHE450HK52DJR05 0.47 D17 7.0 16.5 26.0 400 54 PHE450HD682DJR06L 0.022 K01 4.0 8.0 10.0 800 160 PHE450HK52DJR05 0.66 D15 9.0 18.5 26.0 400 47 PHE450HD682DJR06L 0.027 K03 5.0 11.0 10.0 800 160 PHE450HK53DJR05 0.82 D18 10.5 10.0 26.0 400 47 PHE450HD682DJR06L 0.033 K03 5.0 11.0 10.0 800 160 PHE450HK53DJR05 0.82 D18 10.5 10.0 26.0 400 47 PHE450HD682DJR06L 0.034 K04 6.0 12.0 10.5 800 160 PHE450HK58DJR05 1.2 D20 13.5 23.0 26.0 400 48 PHE450HD682DJR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.2 D20 13.5 23.0 26.0 400 49 PHE450HD68DJR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.2 D20 13.5 23.0 26.0 400 40 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.2 D20 13.5 23.0 26.0 400 36 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK58DJR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 10.0 142 PHE450HA480JR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD710JR06L 0.066 K03 5.0 11.0 10.0 142 PHE450	0.0047	K01	4.0	8.0	10.0	1400	160	PHE450HK4470JR05				LEA	D SPA	CING	22.5	MM
0.0010 K01 4.0 8.0 10.0 1400 160 PHE450HKS20JR05 0.22 D13 6.5 14.5 26.0 400 59 PHE450HD622QJR06L2 0.012 K01 4.0 8.0 10.0 1200 160 PHE450HKS12QJR05 0.33 D13 6.5 14.5 26.0 400 59 PHE450HD622QJR06L2 0.015 K01 4.0 8.0 10.0 1200 160 PHE450HKS12QJR05 0.33 D13 6.5 14.5 26.0 400 58 PHE450HD633QJR06L2 0.015 K01 4.0 8.0 10.0 800 160 PHE450HKS12QJR05 0.39 D17 7.0 16.5 26.0 400 58 PHE450HD633QJR06L2 0.022 K01 4.0 8.0 10.0 800 160 PHE450HKS12QJR05 0.66 D15 9.0 18.5 26.0 400 54 PHE450HD633QJR06L2 0.022 K01 4.0 8.0 10.0 800 160 PHE450HKS20QJR05 0.66 D15 9.0 18.5 26.0 400 49 PHE450HD636QJR06L2 0.033 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 0.82 D18 10.5 19.0 26.0 400 47 PHE450HD636QJR06L2 0.033 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 0.82 D18 10.5 19.0 26.0 400 47 PHE450HD636QJR06L2 0.039 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.0 D16 11.0 21.5 26.0 400 49 PHE450HD636QJR06L2 0.039 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.2 D20 13.5 23.0 26.0 400 40 PHE450HD630QJR06L2 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.2 D20 13.5 23.0 26.0 400 48 PHE450HD630QJR06L2 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.5 D20 13.5 23.0 26.0 400 48 PHE450HD630QJR06L2 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.5 D20 13.5 23.0 26.0 400 48 PHE450HD710QJR06L2 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.5 D20 13.5 23.0 26.0 400 48 PHE450HD710QJR06L2 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.5 D20 13.5 23.0 26.0 400 48 PHE450HD710QJR06L2 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.5 D20 13.5 23.0 26.0 400 48 PHE450HD710QJR06L2 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.5 D20 13.5 23.0 26.0 400 48 PHE450HD710QJR06L2 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS30QJR05 1.5 D20 13.5 23.0 26.0 400 48 PHE450HD710QJR06L2 0.056 K03 5.0 11.0 10.0 142 PHE450HK450QJR05 1.5 D20 13.5 23.0 26.0 400 48 PHE450HD710QJR06L2 0.056 K03 5.0 11.0 10.0 142 PHE450HA416QJR05 1.5 F21 11.0 10.5 20.5 31.5 300 37 PHE450HT710QJR06L2 0.056 K03 5.0 11.0 10.0 142 PHE450HA436QJR05 1.2 F11 10.5 20.5 31.5 300 37 PHE450HT710QJR0	0.0056	K01	4.0	8.0	10.0	1400	160	PHE450HK4560JR05								
0.010 NO1	0.0068	K01	4.0	8.0	10.0	1400	160	PHE450HK4680JR05		D13	6.5		26.0	600	58	PHE450HD6180JR06L2
0.015 K01 4.0 8.0 10.0 1200 160 PHE450HKS120JR05 0.33 D13 6.5 14.5 26.0 400 58 PHE450HD633QJR06L 0.018 K01 4.0 8.0 10.0 800 160 PHE450HKS16UJR05 0.39 D17 7.0 16.5 26.0 400 53 PHE450HD639QJR06L 0.022 K01 4.0 8.0 10.0 800 160 PHE450HKS16UJR05 0.56 D15 9.0 18.5 26.0 400 49 PHE450HD636QJR06L 0.022 K01 4.0 8.0 10.0 800 160 PHE450HKS220JR05 0.56 D15 9.0 18.5 26.0 400 49 PHE450HD636QJR06L 0.022 K01 5.0 11.0 10.0 800 160 PHE450HKS220JR05 0.56 D15 9.0 18.5 26.0 400 49 PHE450HD636QJR06L 0.033 K03 5.0 11.0 10.0 800 160 PHE450HKS39QJR05 1.0 D16 11.0 21.5 26.0 400 49 PHE450HD636QJR06L 0.033 K03 5.0 11.0 10.0 800 160 PHE450HKS39QJR05 1.2 D20 13.5 26.0 400 47 PHE450HD636QJR06L 0.034 K03 5.0 11.0 10.0 800 160 PHE450HKS39QJR05 1.2 D20 13.5 26.0 400 40 PHE450HD716QJR06L 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS56QJR05 1.2 D20 13.5 20.0 26.0 400 38 PHE450HD716QJR06L 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS56QJR05 1.5 D20 13.5 20.0 26.0 400 36 PHE450HD716QJR06L 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS66QJR05 1.5 D20 13.5 20.0 26.0 400 36 PHE450HD716QJR06L 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS66QJR05 1.5 D20 13.5 20.0 26.0 400 36 PHE450HD716QJR06L 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS66QJR05 1.5 D20 13.5 20.0 36.0 400 36 PHE450HD716QJR06L 0.056 K03 5.0 11.0 10.0 800 160 PHE450HKS66QJR05 1.5 D20 13.5 20.0 36.0 400 36 PHE450HD716QJR06L 0.056 K03 5.0 11.0 10.0 142 PHE450HA416QJR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD716QJR06L 0.056 K03 5.0 11.0 10.0 142 PHE450HA416QJR05 1.5 F11 10.5 20.5 31.5 300 38 PHE450HF716QJR06L 0.056 K03 5.0 11.0 10.0 142 PHE450HA420QJR05 1.5 F12 11.0 20.5 31.5 300 37 PHE450HF716QJR06L 0.056 K03 5.0 11.0 10.0 142 PHE450HA420QJR05 1.5 F12 11.5 22.5 31.5 300 37 PHE450HF716QJR06L 0.056 K03 1.0 10.0 140 142 PHE450HA430QJR05 1.5 F12 11.5 22.5 31.5 300 37 PHE450HF716QJR06L 0.056 K03 1.0 10.0 13.0 1400 142 PHE450HA430QJR05 1.5 F12 11.5 22.5 31.5 300 37 PHE450HF716QJR06L 0.056 K03 1.0 10.0 13.0 1400 142 PHE450HA516QJR05 1.5 F12 11.5 22.5 31.5 300 37 PHE450HF716QJR06L 0.056 K03 1.0 10.0 13.0 1400 142 PHE450HA																PHE450HD6220JR06L2
0.015 KO1 4.0 8.0 10.0 800 160 PHE450HK5150JR05 0.47 D17 7.0 16.5 26.0 400 54 PHE450HD639QJR06L1 0.022 KO1 4.0 8.0 10.0 800 160 PHE450HK5180JR05 0.56 D15 9.0 18.5 26.0 400 49 PHE450HD636QJR06L1 0.027 KO3 5.0 11.0 10.0 800 160 PHE450HK522DJR05 0.68 D15 9.0 18.5 26.0 400 49 PHE450HD686QJR06L1 0.033 KO3 5.0 11.0 10.0 800 160 PHE450HK5270JR05 0.82 D18 10.5 19.0 26.0 400 47 PHE450HD686QJR06L1 0.033 KO3 5.0 11.0 10.0 800 160 PHE450HK5370JR05 0.82 D18 10.5 19.0 26.0 400 49 PHE450HD686QJR06L1 0.033 KO3 5.0 11.0 10.0 800 160 PHE450HK5370JR05 1.2 D20 13.5 23.0 26.0 400 49 PHE450HD710JR06L1 0.056 KO3 5.0 11.0 10.0 800 160 PHE450HK5470JR05 1.2 D20 13.5 23.0 26.0 400 39 PHE450HD712DJR06L1 0.068 KO4 6.0 12.0 10.5 800 160 PHE450HK5680JR05 1.5 D20 13.5 23.0 26.0 400 36 PHE450HD715DJR06L1 0.068 KO4 6.0 12.0 10.5 800 160 PHE450HK5680JR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD718DJR06L1 0.068 KO4 6.0 12.0 10.5 800 160 PHE450HA4100JR05 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD718DJR06L1 0.0015 A01 4.0 9.0 13.0 1400 142 PHE450HA4100JR05 1.2 E11 10.5 20.5 31.5 300 38 PHE450HF718DJR06L1 0.0015 A01 4.0 9.0 13.0 1400 142 PHE450HA418DJR05 1.2 E11 10.5 20.5 31.5 300 38 PHE450HF718DJR06L1 0.0015 A01 4.0 9.0 13.0 1400 142 PHE450HA42DJR05 1.2 E11 10.5 20.5 31.5 300 37 PHE450HF718DJR06L1 0.0022 A01 4.0 9.0 13.0 1400 142 PHE450HA42DJR05 1.2 E11 10.5 20.5 31.5 300 37 PHE450HF718DJR06L2 0.0033 A01 4.0 9.0 13.0 1400 142 PHE450HA42DJR05 1.2 E11 10.5 20.5 31.5 300 37 PHE450HF718DJR06L2 0.0033 A01 4.0 9.0 13.0 1400 142 PHE450HA42DJR05 1.2 E11 10.5 20.5 31.5 300 37 PHE450HF718DJR06L2 0.0036 A01 4.0 9.0 13.0 1400 142 PHE450HA43DJR05 1.2 E11 10.5 20.5 31.5 300 37 PHE450HF718DJR06L2 0.0036 A01 4.0 9.0 13.0 1400 142 PHE450HA43DJR05 1.2 E11 10.5 20.5 31.5 300 37 PHE450HF718DJR06L2 0.0036 A01 4.0 9.0 13.0 1400 142 PHE450HA43DJR05 1.2 E11 10.5 20.5 31.5 300 37 PHE450HF718DJR06L2 0.0036 A01 4.0 9.0 13.0 1400 142 PHE450HA43DJR05 1.2 E11 10.5 20.5 31.5 300 37 PHE450HF718DJR06L2 0.0036 A01 4.0 9.0 13.0 1400 142 PHE450HA43DJR05 1.2 E11 10.5 20.5 31.5 300 31 PHE450																
0.018 KO1 4.0 8.0 10.0 800 160 PHE450HK518QJR05 0.56 D15 9.0 18.5 26.0 400 49 PHE450HD647QJR06L 0.027 KO3 5.0 11.0 10.0 800 160 PHE450HK522QJR05 0.56 D15 9.0 18.5 26.0 400 47 PHE450HD686QJR06L 0.023 KO3 5.0 11.0 10.0 800 160 PHE450HK532QJR05 0.82 D18 10.5 19.0 26.0 400 47 PHE450HD686QJR06L 0.023 KO3 5.0 11.0 10.0 800 160 PHE450HK533QJR05 0.82 D18 10.5 19.0 26.0 400 43 PHE450HD68QJR06L 0.024 KO3 5.0 11.0 10.0 800 160 PHE450HK533QJR05 1.0 D16 11.0 21.5 26.0 400 40 PHE450HD68QJR06L 0.024 KO3 5.0 11.0 10.0 800 160 PHE450HK530QJR05 1.0 D16 11.0 21.5 26.0 400 40 PHE450HD69QJR06L 0.025 KO3 5.0 11.0 10.0 800 160 PHE450HK530QJR05 1.0 D16 11.0 21.5 26.0 400 40 PHE450HD710QJR06L 0.026 KO3 5.0 11.0 10.0 800 160 PHE450HK530QJR05 1.5 D20 13.5 23.0 26.0 400 38 PHE450HD712QJR06L 0.026 KO3 5.0 11.0 10.0 800 160 PHE450HK56QJR05 1.5 D20 13.5 23.0 26.0 400 38 PHE450HD715QJR06L 0.026 KO3 5.0 11.0 10.0 800 160 PHE450HK56QJR05 1.8 D19 15.5 24.5 26.0 400 38 PHE450HD718QJR06L 0.026 KO3 5.0 11.0 10.0 800 160 PHE450HA50QJR05 1.8 D19 15.5 24.5 26.0 400 38 PHE450HD715QJR06L 0.026 KO3 5.0 11.0 10.0 800 160 PHE450HA50QJR05 1.8 D19 15.5 24.5 26.0 400 38 PHE450HD718QJR06L 0.026 KO3 5.0 11.0 10.0 800 160 PHE450HA50QJR05 1.8 D19 15.5 24.5 26.0 400 38 PHE450HD715QJR06L 0.026 KO3 5.0 11.0 10.0 800 160 PHE450HA41QJR05 1.8 D19 15.5 24.5 26.0 400 38 PHE450HF712QJR06L 0.026 KO3 5.0 11.0 10.0 142 PHE450HA41QJR05 1.8 D19 15.5 24.5 26.0 400 38 PHE450HF716QJR06L 0.026 KO3 5.0 11.0 10.0 142 PHE450HA41QJR05 1.2 F11 10.5 20.5 31.5 300 38 PHE450HF712QJR06L 0.026 KO3 5.0 11.0 13.0 1400 142 PHE450HA41QJR05 1.2 F11 10.5 20.5 31.5 300 38 PHE450HF712QJR06L 0.026 KO3 5.0 11.0 13.0 1400 142 PHE450HA42QJR05 1.2 F11 10.5 20.5 31.5 300 38 PHE450HF712QJR06L 0.026 KO3 5.0 11.0 13.0 1400 142 PHE450HA42QJR05 1.2 F11 10.5 20.5 31.5 300 38 PHE450HF712QJR06L 0.026 KO3 5.0 11.0 13.0 1400 142 PHE450HA42QJR05 1.2 F11 10.5 20.5 31.5 300 31 PHE450HF712QJR06L 0.026 KO3 5.0 11.0 13.0 1400 142 PHE450HA42QJR05 1.2 F11 10.5 20.5 31.5 300 31 PHE450HF712QJR06L 0.026 KO3 5.0 11.0 13.0 140																
0.022																
0.027 K03 5.0 11.0 10.0 800 160 PHE450HK5390JR05 0.68 D15 9.0 18.5 26.0 400 47 PHE450HD6820JR06L1 0.033 K03 5.0 11.0 10.0 800 160 PHE450HK5390JR05 1.0 D16 11.0 21.5 26.0 400 40 PHE450HD7100JR06L3 C.0.034 K03 5.0 11.0 10.0 800 160 PHE450HK5390JR05 1.0 D16 11.0 21.5 26.0 400 40 PHE450HD7100JR06L3 C.0.056 K03 5.0 11.0 10.0 800 160 PHE450HK5390JR05 1.0 D16 11.0 21.5 26.0 400 38 PHE450HD7100JR06L3 C.0.056 K03 5.0 11.0 10.0 800 160 PHE450HK5560JR05 1.5 D20 13.5 23.0 26.0 400 38 PHE450HD7150JR06L3 C.0.056 K03 5.0 11.0 10.0 800 160 PHE450HK5560JR05 1.5 D20 13.5 23.0 26.0 400 36 PHE450HD7150JR06L3 C.0.056 K03 5.0 11.0 10.0 800 160 PHE450HK5560JR05 1.5 D20 13.5 23.0 26.0 400 36 PHE450HD7150JR06L3 C.0.056 K03 5.0 11.0 10.0 800 160 PHE450HK5560JR05 1.5 D20 13.5 23.0 26.0 400 36 PHE450HD7150JR06L3 C.0.056 K03 5.0 11.0 14.0 140 142 PHE450HA4100JR05 1.5 D20 13.5 23.0 26.0 400 36 PHE450HD7150JR06L3 C.0.056 K03 5.0 11.0 14.0 142 PHE450HA4120JR05 1.5 D20 13.5 23.0 26.0 400 36 PHE450HD7150JR06L3 C.0.056 K03 5.0 11.0 14.0 142 PHE450HA4120JR05 1.5 D20 13.5 23.0 26.0 400 36 PHE450HD7150JR06L3 C.0.056 K03 5.0 11.0 14.0 142 PHE450HA4120JR05 1.5 F11 10.5 20.5 31.5 300 38 PHE450H6820JR06L3 C.0.056 K03 5.0 11.0 14.0 14.0 14.0 14.0 14.0 14.0 14																
0.033 K03 5.0 11.0 10.0 800 160 PHE450HK5330JROS 0.82 D18 10.5 19.0 26.0 400 43 PHE450HD7100JROSL 0.036 K03 5.0 11.0 10.0 800 160 PHE450HK5470JROS 1.2 D20 13.5 23.0 26.0 400 40 PHE450HD7120JROSL 0.066 K03 5.0 11.0 10.0 800 160 PHE450HK5470JROS 1.2 D20 13.5 23.0 26.0 400 36 PHE450HD7120JROSL 0.068 K04 6.0 12.0 10.5 800 160 PHE450HK5680JROS 1.5 D20 13.5 23.0 26.0 400 36 PHE450HD7150JROSL 0.068 K04 6.0 12.0 10.5 800 160 PHE450HK5680JROS 1.8 D19 15.5 24.5 26.0 400 36 PHE450HD7180JROSL 0.068 K04 4.0 9.0 13.0 1400 142 PHE450HA410JROS 1.2 F11 10.5 20.5 31.5 300 38 PHE450HF7180JROSL 0.0012 A01 4.0 9.0 13.0 1400 142 PHE450HA4120JROS 1.0 F11 10.5 20.5 31.5 300 38 PHE450HF7180JROSL 0.0018 A01 4.0 9.0 13.0 1400 142 PHE450HA4180JROS 1.2 F11 10.5 20.5 31.5 300 38 PHE450HF7180JROSL 0.0018 A01 4.0 9.0 13.0 1400 142 PHE450HA4180JROS 1.2 F11 10.5 20.5 31.5 300 38 PHE450HF7180JROSL 0.0018 A01 4.0 9.0 13.0 1400 142 PHE450HA4180JROS 1.2 F11 10.5 20.5 31.5 300 38 PHE450HF7180JROSL 0.0018 A01 4.0 9.0 13.0 1400 142 PHE450HA4270JROS 1.2 F17 21.0 12.5 31.5 300 37 PHE450HF7180JROSL 0.0022 A01 4.0 9.0 13.0 1400 142 PHE450HA4270JROS 1.5 F11 10.5 20.5 31.5 300 37 PHE450HF7180JROSL 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA4270JROS 1.5 F11 10.5 20.5 31.5 300 32 PHE450HF7180JROSL 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA430JROS 2.2 F13 14.5 24.5 31.5 300 32 PHE450HF7180JROSL 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA430JROS 2.2 F13 14.5 24.5 31.5 300 32 PHE450HF7180JROSL 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA430JROS 2.2 F13 14.5 24.5 31.5 300																
0.033 K03 K0																
0.056 K03 S.0 11.0 10.0 800 160 PHE450HK5560JR05 1.5 D20 13.5 23.0 26.0 400 36 PHE450H7150JR06L2	0.039						160							400	40	PHE450HD7100JR06L2
LEAD SPACING 10 MM LEAD SPACING 10 MM LEAD SPACING 27.5 MM LEAD	0.047	K03	5.0	11.0	10.0	800	160	PHE450HK5470JR05	1.2	D20	13.5	23.0	26.0	400	38	PHE450HD7120JR06L2
LEAD SPACING 10 MM	0.056	K03	5.0	11.0	10.0	800	160	PHE450HK5560JR05	1.5	D20	13.5	23.0	26.0	400	36	PHE450HD7150JR06L2
0.0010	0.068	K04	6.0	12.0	10.5	800	160	PHE450HK5680JR05	1.8	D19	15.5	24.5	26.0	400	36	PHE450HD7180JR06L2
0.0012 A01 4.0 9.0 13.0 1400 142 PHE450HA4120JR05 1.0 F11 10.5 20.5 31.5 300 38 PHE450HF7120JR06L2 0.0015 A01 4.0 9.0 13.0 1400 142 PHE450HA4150JR05 1.2 F11 10.5 20.5 31.5 300 37 PHE450HF7120JR06L2 0.0022 A01 4.0 9.0 13.0 1400 142 PHE450HA4220JR05 1.5 F12 11.5 22.5 31.5 300 37 PHE450HF7120JR06L2 0.0022 A01 4.0 9.0 13.0 1400 142 PHE450HA4220JR05 1.5 F12 11.5 22.5 31.5 300 37 PHE450HF7120JR06L2 0.0023 A01 4.0 9.0 13.0 1400 142 PHE450HA4220JR05 1.5 F12 11.5 22.5 31.5 300 32 PHE450HF7150JR06L2 0.0033 A01 4.0 9.0 13.0 1400 142 PHE450HA4330JR05 2.2 F13 14.5 24.5 31.5 300 32 PHE450HF7180JR06L2 0.0039 A01 4.0 9.0 13.0 1400 142 PHE450HA4330JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7220JR06L2 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA4390JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7220JR06L2 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA450JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7220JR06L2 0.0038 A01 4.0 9.0 13.0 1400 142 PHE450HA450JR05 2.7 F14 17.5 28.0 31.5 300 27 PHE450HF7270JR06L2 0.0068 A01 4.0 9.0 13.0 1400 142 PHE450HA450JR05 3.9 F16 21.0 30.0 31.5 300 27 PHE450HF730JR06L2 0.0068 A01 4.0 9.0 13.0 1200 142 PHE450HA5160JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0062 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0062 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0062 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 1200 142 PHE450HA5180JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 1200 142 PHE450HA5180JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 1200 142 PHE450HA5180JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 1200 142 PHE450HA530JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 100 142 PHE450HA530JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 100 142 PHE450HA530JR05 3.9 F16 21.0 30.0 31.5 30				LE	AD SF	PACINO	3 10 M	М				LEA	D SPA	CING	27.5	ММ
0.0012 A01 4.0 9.0 13.0 1400 142 PHE450HA4120JR05 1.0 F11 10.5 20.5 31.5 300 38 PHE450HF7120JR06L2 0.0015 A01 4.0 9.0 13.0 1400 142 PHE450HA4150JR05 1.2 F11 10.5 20.5 31.5 300 37 PHE450HF7120JR06L2 0.0022 A01 4.0 9.0 13.0 1400 142 PHE450HA4220JR05 1.5 F12 11.5 22.5 31.5 300 37 PHE450HF7120JR06L2 0.0022 A01 4.0 9.0 13.0 1400 142 PHE450HA4220JR05 1.5 F12 11.5 22.5 31.5 300 37 PHE450HF7120JR06L2 0.0023 A01 4.0 9.0 13.0 1400 142 PHE450HA4220JR05 1.5 F12 11.5 22.5 31.5 300 32 PHE450HF7150JR06L2 0.0033 A01 4.0 9.0 13.0 1400 142 PHE450HA4330JR05 2.2 F13 14.5 24.5 31.5 300 32 PHE450HF7180JR06L2 0.0039 A01 4.0 9.0 13.0 1400 142 PHE450HA4330JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7220JR06L2 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA4390JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7220JR06L2 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA450JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7220JR06L2 0.0038 A01 4.0 9.0 13.0 1400 142 PHE450HA450JR05 2.7 F14 17.5 28.0 31.5 300 27 PHE450HF7270JR06L2 0.0068 A01 4.0 9.0 13.0 1400 142 PHE450HA450JR05 3.9 F16 21.0 30.0 31.5 300 27 PHE450HF730JR06L2 0.0068 A01 4.0 9.0 13.0 1200 142 PHE450HA5160JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0062 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0062 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0062 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 1200 142 PHE450HA5180JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 1200 142 PHE450HA5180JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 1200 142 PHE450HA5180JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 1200 142 PHE450HA530JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 100 142 PHE450HA530JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0063 A01 4.0 9.0 13.0 100 142 PHE450HA530JR05 3.9 F16 21.0 30.0 31.5 30	0.0010	A01	4.0	9.0	13.0	1400	142	PHE450HA4100.JR05	0.82	F11	10.5	20.5	31.5	300	38	PHE450HF6820.IR06L2
0.0018 A01 4.0 9.0 13.0 1400 142 PHE450HA4180JR05 1.2 F17 21.0 12.5 31.5 300 37 PHE450HT7120JR06L2 0.0027 A01 4.0 9.0 13.0 1400 142 PHE450HA4220JR05 1.5 F12 11.5 22.5 31.5 300 34 PHE450HF7150JR06L2 0.0027 A01 4.0 9.0 13.0 1400 142 PHE450HA4230JR05 1.8 F03 13.5 23.0 31.5 300 32 PHE450HF7180JR06L2 0.0033 A01 4.0 9.0 13.0 1400 142 PHE450HA4330JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7120JR06L2 0.0047 A01 4.0 9.0 13.0 1400 142 PHE450HA439JR05 2.2 F19 27.5 16.0 31.5 300 31 PHE450HF7120JR06L2 0.0047 A01 4.0 9.0 13.0 1400 142 PHE450HA4430JR05 2.2 F19 27.5 16.0 31.5 300 27 PHE450HF7120JR06L2 0.0056 A01 4.0 9.0 13.0 1400 142 PHE450HA450JR05 3.3 F15 19.0 29.0 31.5 300 25 PHE450HF7270JR06L2 0.0068 A01 4.0 9.0 13.0 1400 142 PHE450HA480JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7330JR06L2 0.0068 A01 4.0 9.0 13.0 1200 142 PHE450HA480JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7330JR06L2 0.0012 A01 4.0 9.0 13.0 1200 142 PHE450HA45120JR05 3.9 F18 31.0 19.0 31.5 300 23 PHE450HF7390JR06L2 0.0012 A01 4.0 9.0 13.0 1200 142 PHE450HA5120JR05 3.9 F18 31.0 19.0 31.5 300 23 PHE450HF7390JR06L2 0.0022 A01 4.0 9.0 13.0 1100 142 PHE450HA5120JR05 3.9 F18 31.0 19.0 31.5 300 23 PHE450HR7180JR06L2 3.0 F18 31.0 31.0 31.0 31.0 31.0 31.0 31.0 31.0																PHE450HF7100JR06L2
0.0022 A01 4.0 9.0 13.0 1400 142 PHE450HA4220JR05 1.5 F12 11.5 22.5 31.5 300 34 PHE450HF7150JR06L2 0.0027 A01 4.0 9.0 13.0 1400 142 PHE450HA4330JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7180JR06L2 0.0039 A01 4.0 9.0 13.0 1400 142 PHE450HA4390JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7180JR06L2 0.0047 A01 4.0 9.0 13.0 1400 142 PHE450HA4390JR05 2.2 F14 17.5 28.0 31.5 300 27 PHE450HF7220JR06L2 0.0056 A01 4.0 9.0 13.0 1400 142 PHE450HA4820JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.012 A01 4.0 9.0							142	PHE450HA4150JR05		F11					37	PHE450HF7120JR06L2
0.0027 A01 4.0 9.0 13.0 1400 142 PHE450HA4270JR05 1.8 F03 13.5 23.0 31.5 300 32 PHE450HF7180JR06L2 0.0033 A01 4.0 9.0 13.0 1400 142 PHE450HA4330JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7220JR06L2 0.0034 A01 4.0 9.0 13.0 1400 142 PHE450HA4390JR05 2.2 F19 27.5 16.0 31.5 300 31 PHE450HF7220JR06L2 0.0036 A01 4.0 9.0 13.0 1400 142 PHE450HA470JR05 2.7 F14 17.5 28.0 31.5 300 27 PHE450HF7270JR06L2 0.0056 A01 4.0 9.0 13.0 1400 142 PHE450HA4660JR05 3.3 F15 19.0 29.0 31.5 300 27 PHE450HF7330JR06L2 0.0056 A01 4.0 9.0 13.0 1400 142 PHE450HA4680JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0056 A01 4.0 9.0 13.0 1200 142 PHE450HA5100JR05 3.9 F18 31.0 19.0 31.5 300 23 PHE450HF7390JR06L2 0.0056 A01 4.0 9.0 13.0 1200 142 PHE450HA5100JR05 0.015 A01 4.0 9.0 13.0 1200 142 PHE450HA5100JR05 0.015 A01 4.0 9.0 13.0 1100 142 PHE450HA5150JR05 0.015 A01 4.0 9.0 13.0 1100 142 PHE450HA5180JR05 1.8 R05 13.0 24.0 41.0 200 28 PHE450HR7180JR06L2 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5270JR05 2.2 R05 13.0 24.0 41.0 200 28 PHE450HR7180JR06L2 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 3.3 R04 15.0 26.0 41.0 200 25 PHE450HR7270JR06L2 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR06 3.9 R02 16.5 32.0 41.0 200 22 PHE450HR7330JR06L2 0.034 A01 4.0 9.0 13.0 700 142 PHE450HA560JR05 5.6 R03 19.0 36.0 41.0 200 22 PHE450HR730JR06L2 0.068 A02 4.5 10.5 13.0 700 122 PHE450HA560JR05 5.6 R03 19.0 36.0 41.0 200 17 PHE450HR7660JR06L2 0.068 A02 4.5 10.5 13.0 700 122 PHE450HA560JR06 5.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.068 A03 5.0 11.0 13.0 700 16 PHE450HA560JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.068 A03 5.0 11.0 13.0 700 16 PHE450HA560JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.068 A03 5.0 11.0 13.0 700 16 PHE450HA560JR06 5.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.068 A03 5.0 11.0 13.0 700 16 PHE450HA560JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.068 A03 5.0 11.0 13.0 700 16 PHE450HA560JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.068 A03 5.0 11.	0.0018	A01	4.0	9.0	13.0	1400	142	PHE450HA4180JR05	1.2	F17	21.0	12.5	31.5	300	37	PHE450HT7120JR06L2
0.0033 A01 4.0 9.0 13.0 1400 142 PHE450HA4330JR05 2.2 F13 14.5 24.5 31.5 300 31 PHE450HF7220JR06L2 0.0047 A01 4.0 9.0 13.0 1400 142 PHE450HA430JR05 2.7 F14 17.5 28.0 31.5 300 31 PHE450HT7220JR06L2 0.0047 A01 4.0 9.0 13.0 1400 142 PHE450HA460JR05 2.7 F14 17.5 28.0 31.5 300 27 PHE450HF7270JR06L2 0.0056 A01 4.0 9.0 13.0 1400 142 PHE450HA460JR05 3.3 F15 19.0 29.0 31.5 300 25 PHE450HF7330JR06L2 0.0082 A01 4.0 9.0 13.0 1200 142 PHE450HA460JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.010 A01 4.0 9.0 13.0 1200 142 PHE450HA510JR05 3.9 F18 31.0 19.0 31.5 300 23 PHE450HT7390JR06L2 0.012 A01 4.0 9.0 13.0 1200 142 PHE450HA510JR05 0.012 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.018 A01 4.0 9.0 13.0 1100 142 PHE450HA5150JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5120JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 2.2 R05 13.0 24.0 41.0 200 28 PHE450HR7180JR06L2 0.033 A01 4.0 9.0 13.0 100 142 PHE450HA5330JR05 2.7 R05 13.0 24.0 41.0 200 28 PHE450HR7270JR06L2 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 3.9 R02 16.5 32.0 41.0 200 22 PHE450HR7390JR06L2 0.034 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 3.9 R02 16.5 32.0 41.0 200 22 PHE450HR7390JR06L2 0.034 A01 4.0 9.0 13.0 700 142 PHE450HA5680JR05 4.7 R02 16.5 32.0 41.0 200 22 PHE450HR7390JR06L2 0.034 A03 5.0 11.0 13.0 700 122 PHE450HA5680JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR760JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5680JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR760JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5680JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7680JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5680JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7680JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA5680JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7680JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA5680JR05 6.8 R06 21.0 38.0 43.0 41.0 200 17 PHE450HR7680JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA5680JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7680JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA560JR05 10 R08 28.0 43.0																PHE450HF7150JR06L2
0.0039 A01 4.0 9.0 13.0 1400 142 PHE450HA4390JR05 2.2 F19 27.5 16.0 31.5 300 31 PHE450HT7220JR06L2 0.0047 A01 4.0 9.0 13.0 1400 142 PHE450HA4560JR05 3.3 F15 19.0 29.0 31.5 300 27 PHE450HF730JR06L2 0.0068 A01 4.0 9.0 13.0 1400 142 PHE450HA4680JR05 3.9 F16 21.0 30.0 31.5 300 25 PHE450HF7330JR06L2 0.0068 A01 4.0 9.0 13.0 1200 142 PHE450HA4680JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7330JR06L2 0.0068 A01 4.0 9.0 13.0 1200 142 PHE450HA510JR05 0.012 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.015 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.018 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5150JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5150JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 3.3 R04 15.0 24.0 41.0 200 28 PHE450HR7180JR06L2 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 3.3 R04 15.0 26.0 41.0 200 27 PHE450HR730JR06L2 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 3.3 R04 15.0 26.0 41.0 200 27 PHE450HR730JR06L2 0.034 A01 4.0 9.0 13.0 700 142 PHE450HA5580JR05 3.3 R04 15.0 26.0 41.0 200 22 PHE450HR730JR06L2 0.035 A02 4.5 10.5 13.0 700 122 PHE450HA5580JR05 5.6 R03 19.0 36.0 41.0 200 22 PHE450HR7480JR06L2 0.068 A02 4.5 10.5 13.0 700 122 PHE450HA5880JR05 5.6 R03 19.0 36.0 41.0 200 17 PHE450HR7680JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5880JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA5880JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA5880JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA5880JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA5880JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA5880JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 116 PHE450HA580JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR78																
0.0047 A01 4.0 9.0 13.0 1400 142 PHE450HA4470JR05 2.7 F14 17.5 28.0 31.5 300 27 PHE450HF7270JR06L2 0.0056 A01 4.0 9.0 13.0 1400 142 PHE450HA4560JR05 3.3 F15 19.0 29.0 31.5 300 25 PHE450HF7330JR06L2 0.0068 A01 4.0 9.0 13.0 1400 142 PHE450HA4680JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0082 A01 4.0 9.0 13.0 1200 142 PHE450HA4820JR05 0.012 A01 4.0 9.0 13.0 1200 142 PHE450HA5120JR05 0.015 A01 4.0 9.0 13.0 1100 142 PHE450HA5180JR05 1.8 R05 13.0 24.0 41.0 200 28 PHE450HR7180JR06L2 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.033 A01 4.0 9.0 13.0 1100 142 PHE450HA5270JR05 2.7 R05 13.0 24.0 41.0 200 28 PHE450HR7180JR06L2 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 3.9 R02 16.5 32.0 41.0 200 25 PHE450HR7390JR06L2 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 3.9 R02 16.5 32.0 41.0 200 22 PHE450HR7390JR06L2 0.068 A02 4.5 10.5 13.0 700 122 PHE450HA5680JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7820JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2																
0.0056 A01 4.0 9.0 13.0 1400 142 PHE450HA4560JR05 3.3 F15 19.0 29.0 31.5 300 25 PHE450HF7330JR06L2 0.0068 A01 4.0 9.0 13.0 1400 142 PHE450HA4680JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0082 A01 4.0 9.0 13.0 1200 142 PHE450HA5100JR05 0.012 A01 4.0 9.0 13.0 1200 142 PHE450HA5120JR05 0.015 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.018 A01 4.0 9.0 13.0 1200 142 PHE450HA5180JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5180JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA520JR05 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA590JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA530JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA590JR05 0.0																
0.0068 A01 4.0 9.0 13.0 1400 142 PHE450HA4680JR05 3.9 F16 21.0 30.0 31.5 300 23 PHE450HF7390JR06L2 0.0082 A01 4.0 9.0 13.0 1200 142 PHE450HA5100JR05 0.012 A01 4.0 9.0 13.0 1200 142 PHE450HA5120JR05 0.015 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.018 A01 4.0 9.0 13.0 1100 142 PHE450HA5180JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.027 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 0.039 A02 4.5 10.5 13.0 700 142 PHE450HA5680JR05 0.039 A02 4.5 10.5 13.0 700 122 PHE450HA5680JR05 6.8 R03 19.0 36.0 41.0 200 22 PHE450HR7470JR06L2 0.068 A02 4.5 10.5 13.0 700 122 PHE450HA5680JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7680JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.0082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2																
0.0082 A01 4.0 9.0 13.0 1200 142 PHE450HA4820JR05 0.010 A01 4.0 9.0 13.0 1200 142 PHE450HA5100JR05 0.012 A01 4.0 9.0 13.0 1200 142 PHE450HA5120JR05 0.018 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.018 A01 4.0 9.0 13.0 1100 142 PHE450HA5180JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.027 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5560JR05 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA6100JR05 10 R0																
0.010 A01 4.0 9.0 13.0 1200 142 PHE450HA5100JR05 0.012 A01 4.0 9.0 13.0 1200 142 PHE450HA5120JR05 0.015 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.018 A01 4.0 9.0 13.0 1100 142 PHE450HA5180JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.027 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5560JR05 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 0.0140 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 0.015 A01 4.0 9.0 13.0 700 105 PHE450HA5820JR05 0.027 A01 4.0 9.0 13.0 700 105 PHE450HA5820JR05 0.039 A04 4.0 9.0 13.0 700 120 PHE450HA5820JR05 0.047 A05 A06 6.0 12.0 13.0 700 116 PHE450HA5820JR05 0.056 A02 4.5 10.5 13.0 700 116 PHE450HA5820JR05 0.056 A040 6.0 12.0 13.0 700 105 PHE450HA6100JR05 0.056 A040 6.0 12.0 13.0 700 105 PHE450HA6100JR05 0.056 A040 6.0 12.0 13.0 700 105 PHE450HA6100JR05 0.057 A05 A07	0.0082															PHE450HT7390JR06L2
0.015 A01 4.0 9.0 13.0 1200 142 PHE450HA5150JR05 0.018 A01 4.0 9.0 13.0 1100 142 PHE450HA5180JR05 0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 0.027 A01 4.0 9.0 13.0 1100 142 PHE450HA520JR05 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5560JR05 0.082 A03 5.0 11.0 13.0 700 105 PHE450HA5820JR05 0.084 A04 6.0 12.0 13.0 700 105 PHE450HA5820JR05 0.098 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 0.099 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 0.099 A04 4.0 9.0 13.0 700 105 PHE450HA6100JR05 0.099 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 0.090 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05	0.010															
0.018 A01 4.0 9.0 13.0 1100 142 PHE450HA5180JR05 13.0 24.0 41.0 200 28 PHE450HR7180JR06L2 2.2 R05 13.0 24.0 41.0 200 28 PHE450HR7220JR06L2 2.2 R05 13.0 24.0 41.0 200 28 PHE450HR7220JR06L2 2.2 R05 13.0 24.0 41.0 200 27 PHE450HR7220JR06L2 2.7 R05 13.0 24.0 41.0 200 27 PHE450HR7270JR06L2 2.7 R05 13.0 24.0 41.0 200 27 PHE450HR7270JR06L2 2.7 R05 13.0 24.0 41.0 200 25 PHE450HR7270JR06L2 2.7 R05 13.0 24.0 41.0 200 25 PHE450HR7330JR06L2 2.7 R05 13.0 24.0 41.0 200 22 PHE450HR7330JR06L2 2.7 R05 13.0 24.0 41.0 200 22 PHE450HR7330JR06L2 2.7 R05 13.0 24.0 41.0 200 25 PHE450HR7390JR06L2 2.7 R05 13.0 41.0 200 20 25 PHE450HR7	0.012	A01	4.0	9.0	13.0	1200	142					LEA	D SPA	CING	37.5	MM
0.022 A01 4.0 9.0 13.0 1100 142 PHE450HA5220JR05 2.2 R05 13.0 24.0 41.0 200 28 PHE450HR7220JR06L2 0.027 A01 4.0 9.0 13.0 1100 142 PHE450HA5270JR05 2.7 R05 13.0 24.0 41.0 200 27 PHE450HR7220JR06L2 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 3.3 R04 15.0 26.0 41.0 200 25 PHE450HR7330JR06L2 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 3.9 R02 16.5 32.0 41.0 200 22 PHE450HR7390JR06L2 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 4.7 R02 16.5 32.0 41.0 200 22 PHE450HR7470JR06L2 0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5680JR05 5.6 R03 19.0 36.0 </td <td>0.015</td> <td>A01</td> <td>4.0</td> <td>9.0</td> <td>13.0</td> <td>1200</td> <td>142</td> <td>PHE450HA5150JR05</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0.015	A01	4.0	9.0	13.0	1200	142	PHE450HA5150JR05								
0.027 A01 4.0 9.0 13.0 1100 142 PHE450HA5270JR05 2.7 R05 13.0 24.0 41.0 200 27 PHE450HR7270JR06L2 0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 3.3 R04 15.0 26.0 41.0 200 25 PHE450HR7330JR06L2 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 3.9 R02 16.5 32.0 41.0 200 22 PHE450HR7390JR06L2 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 4.7 R02 16.5 32.0 41.0 200 22 PHE450HR7470JR06L2 0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5560JR05 5.6 R03 19.0 36.0 41.0 200 18 PHE450HR7560JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 6.8 R06 21.0 38.0 </td <td>0.018</td> <td>A01</td> <td>4.0</td> <td></td> <td></td> <td></td> <td>142</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>200</td> <td>28</td> <td>PHE450HR7180JR06L2</td>	0.018	A01	4.0				142							200	28	PHE450HR7180JR06L2
0.033 A01 4.0 9.0 13.0 700 142 PHE450HA5330JR05 3.3 R04 15.0 26.0 41.0 200 25 PHE450HR7330JR06L2 0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 3.9 R02 16.5 32.0 41.0 200 22 PHE450HR7390JR06L2 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 4.7 R02 16.5 32.0 41.0 200 22 PHE450HR7470JR06L2 0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5560JR05 5.6 R03 19.0 36.0 41.0 200 22 PHE450HR7470JR06L2 0.068 A02 4.5 10.5 13.0 700 122 PHE450HA5680JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7680JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 8.2 R08 28.0 43.0 </td <td>0.022</td> <td></td> <td>PHE450HR7220JR06L2</td>	0.022															PHE450HR7220JR06L2
0.039 A01 4.0 9.0 13.0 700 142 PHE450HA5390JR05 3.9 R02 16.5 32.0 41.0 200 22 PHE450HR7390JR06L2 0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 4.7 R02 16.5 32.0 41.0 200 22 PHE450HR7470JR06L2 0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5560JR05 5.6 R03 19.0 36.0 41.0 200 18 PHE450HR7560JR06L2 0.082 A03 5.0 11.0 13.0 700 122 PHE450HA5820JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7680JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 8.2 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.100 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 </td <td>0.027</td> <td></td> <td>PHE450HR7270JR06L2</td>	0.027															PHE450HR7270JR06L2
0.047 A01 4.0 9.0 13.0 700 142 PHE450HA5470JR05 4.7 R02 16.5 32.0 41.0 200 22 PHE450HR7470JR06L2 0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5560JR05 5.6 R03 19.0 36.0 41.0 200 18 PHE450HR7560JR06L2 0.068 A02 4.5 10.5 13.0 700 122 PHE450HA5680JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7680JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 8.2 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.100 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2																
0.056 A02 4.5 10.5 13.0 700 122 PHE450HA5560JR05 5.6 R03 19.0 36.0 41.0 200 18 PHE450HR7560JR06L2 0.068 A02 4.5 10.5 13.0 700 122 PHE450HA5680JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7680JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 8.2 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.100 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2																
0.068 A02 4.5 10.5 13.0 700 122 PHE450HA5680JR05 6.8 R06 21.0 38.0 41.0 200 17 PHE450HR7680JR06L2 0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 8.2 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.100 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2																
0.082 A03 5.0 11.0 13.0 700 116 PHE450HA5820JR05 8.2 R08 28.0 43.0 41.0 200 17 PHE450HR7820JR06L2 0.100 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2																
0.100 A04 6.0 12.0 13.0 700 105 PHE450HA6100JR05 10 R08 28.0 43.0 41.0 200 17 PHE450HR8100JR06L2																
	0.100															PHE450HR8100JR06L2
	0.120						105									



							ARTICL	E TABLE	Ē						
Capaci- tance µF	Box code			nsions L	Max dU/dt V/μs	Rthha °C/W 85 °C 0.2 m/	;	Capaci- tance µF		Max in m B		nsions L	dU/dt V/µs	Rthha °C/W 85 °C 0.2 m/	! ;
		40	0 VDC	C / 250	O VAC	(1 s	ection)			40	0 VD	C / 250	0 VAC	(1 s	ection)
			LE/	AD SP	ACING						LE/	D SP	ACINO	3 15 N	/М
0.0000	1/04	4.0	0.0	40.0	0000	100	DI IE 450KK0000 ID05	0.10	Doo		445	100	1000	7-	DI IE 4501/D0400 ID00
0.00033 0.00039		4.0	8.0	10.0	2000	160 160	PHE450KK3330JR05 PHE450KK3390JR05	0.12	B06 B06	7.5	14.5 14.5	18.0 18.0	1000	75 75	PHE450KB6120JR06 PHE450KB6150JR06
0.00047		4.0	8.0	10.0	2000	160	PHE450KK3470JR05	0.13	B12		15.0		1000	71	PHE450KB6180JR06
0.00056		4.0	8.0	10.0	2000	160	PHE450KK3560JR05	0.22	B14		17.5	18.0	1000	60	PHE450KB6220JR06
0.00068		4.0	8.0	10.0	2000	160	PHE450KK3680JR05	0.27	B14	9.5	17.5	18.0	1000	59	PHE450KB6270JR06
0.00082		4.0	8.0	10.0	2000	160	PHE450KK3820JR05								
0.0010	K01 K01	4.0	8.0	10.0	2000	160 160	PHE450KK4100JR05				LEA	D SPA	CING	22.5	MM
0.0012	K01	4.0	8.0	10.0	2000	160	PHE450KK4120JR05 PHE450KK4150JR05	0.10	D10	0.5	445	00.0	000	Ε0.	DUE 450KDC100 IDOCI
0.0013	K01	4.0	8.0	10.0	2000	160	PHE450KK4180JR05	0.12 0.15	D13		14.5 14.5	26.0 26.0	600 600	58 58	PHE450KD6120JR06L PHE450KD6150JR06L
0.0010	K01	4.0	8.0	10.0	2000	160	PHE450KK4220JR05	0.15	D13		14.5	26.0	600	58	PHE450KD6180JR06L
0.0027	K01	4.0	8.0	10.0	2000	160	PHE450KK4270JR05	0.18	D17		16.5	26.0	600	52	PHE450KD6220JR06L
0.0033	K01	4.0	8.0	10.0	2000	160	PHE450KK4330JR05	0.27	D17		16.5	26.0	600	52	PHE450KD6270JR06L
0.0039	K01	4.0	8.0	10.0	2000	160	PHE450KK4390JR05	0.33	D15	9.0	18.5	26.0	600	48	PHE450KD6330JR06L
0.0047	K01	4.0	8.0	10.0	1400	160	PHE450KK4470JR05	0.39	D15	9.0	18.5	26.0	600	48	PHE450KD6390JR06L
0.0056	K01	4.0	8.0	10.0	1400	160	PHE450KK4560JR05	0.47			19.0	26.0	600	45	PHE450KD6470JR06L
0.0068	K01	4.0	8.0	10.0	1400	160	PHE450KK4680JR05	0.56		11.0		26.0	600	40	PHE450KD6560JR06L
0.0082	K01	4.0	8.0	10.0	1400 1200	160 160	PHE450KK4820JR05 PHE450KK5100JR05	0.68			23.0		600	35	PHE450KD6680JR06L
0.010	K01	4.0	8.0	10.0	1200	160	PHE450KK5100JR05	0.82			23.0		600	35	PHE450KD6820JR06L
0.015	K03	5.0	11.0	10.0	1200	160	PHE450KK5150JR05	1.0	D19	15.5	24.5	26.0	600	33	PHE450KD7100JR06L
0.018	K03	5.0	11.0	10.0	1200	160	PHE450KK5180JR05				ΙFΔ	n SPA	CING	27 5	мм
0.022	K03	5.0	11.0	10.0	1200	160	PHE450KK5220JR05					0.7	101110	27.0	141141
0.027	K03	5.0	11.0	10.0	1200	160	PHE450KK5270JR05	0.47	F11	10.5	20.5	31.5	500	38	PHE450KF6470JR06L
0.033	K03	5.0	11.0	10.0	1200	160	PHE450KK5330JR05	0.56	F11	10.5	20.5	31.5	500	38	PHE450KF6560JR06L
0.039	K04		12.0	10.5	1200	160	PHE450KK5390JR05	0.68	F11	10.5	20.5	31.5	500	38	PHE450KF6680JR06L
0.047	K04	6.0	12.0	10.5	1200	160	PHE450KK5470JR05	0.68			12.5		500	38	PHE450KT6680JR06L
			15	4 D C C	ACING	10 N	INA	0.82			22.5		500	34	PHE450KF6820JR06L
			LE/	4D 3F	ACINO	1 1 U IV	IIVI	1.0			23.0	31.5	500	32	PHE450KF7100JR06L
0.0010	A01	4.0	9.0	13.0	1400	142	PHE450KA4100JR05	1.2 1.5			24.5 28.0	31.5	500	30 27	PHE450KF7120JR06L
0.0012		4.0	9.0	13.0	1400		PHE450KA4120JR05	1.5			16.0		500 500	27	PHE450KF7150JR06L PHE450KT7150JR06L
0.0015	A01	4.0	9.0	13.0	1400	142	PHE450KA4150JR05	1.8			29.0		500	25	PHE450KF7180JR06L
0.0018		4.0	9.0	13.0	1400	142	PHE450KA4180JR05	2.2			30.0		500	24	PHE450KF7220JR06L
0.0022	A01	4.0	9.0	13.0	1400	142	PHE450KA4220JR05	2.2			19.0		500	24	PHE450KT7220JR06L
0.0027	A01	4.0	9.0	13.0	1400	142	PHE450KA4270JR05								
0.0033	A01	4.0	9.0	13.0	1400	142	PHE450KA4330JR05				LEA	D SPA	CING	37.5	MM
0.0039	A01	4.0	9.0	13.0	1400	142	PHE450KA4390JR05								
0.0047	A01 A01	4.0	9.0	13.0 13.0	1400 1400	142 142	PHE450KA4470JR05 PHE450KA4560JR05	1.0			24.0		300	27	PHE450KR7100JR06L
0.0038	A01	4.0	9.0	13.0	1400	142	PHE450KA4680JR05	1.2			24.0		300	27	PHE450KR7120JR06L
0.0082	A01	4.0	9.0	13.0	1200	142	PHE450KA4820JR05	1.5 1.8			24.0 26.0		300 300	27 25	PHE450KR7150JR06L PHE450KR7180JR06L
0.010	A01	4.0	9.0	13.0	1200	142	PHE450KA5100JR05	2.2	R02				300		PHE450KR7180JR06L
0.012	A01	4.0	9.0	13.0	1200	142	PHE450KA5120JR05	2.7	R02				300	22	PHE450KR7270JR06L
0.015	A01	4.0	9.0	13.0	1200	142	PHE450KA5150JR05	3.3			36.0		300	19	PHE450KR7330JR06I
0.018	A01	4.0	9.0	13.0	1100	142	PHE450KA5180JR05	3.9			36.0		300		PHE450KR7390JR06L
0.022	A01	4.0	9.0	13.0	1100	142	PHE450KA5220JR05	4.7			38.0		300	17	PHE450KR7470JR06L
0.027	A01	4.0	9.0	13.0	1100	142	PHE450KA5270JR05	5.6	R08	28.0	43.0	41.0	300	17	PHE450KR7560JR06L
0.033	A02			13.0	1100	122	PHE450KA5330JR05			000	VP -			1: -	EOTION"
0.039 0.047	A03 A04		11.0 12.0	13.0 13.0	1100 1100	116 105	PHE450KA5390JR05 PHE450KA5470JR05			630	VDC	/ 300	VAC	(1 S	ECTION)
0.047	A04			13.0	1100	105	PHE450KA5560JR05				мм				
			LE/	AD SP	ACING	3 15 N	IM	0.00033	K01	4.0	8.0	10.0	2000	160	PHE450MK3330JR05
								0.00039		4.0		10.0	2000	160	PHE450MK3390JR05
0.033	B04		10.5		2500	100	PHE450KB5330JR06	0.00047		4.0	8.0	10.0	2000	160	PHE450MK3470JR05
0.039	B04			18.0	1000	100	PHE450KB5390JR06	0.00056	K01	4.0	8.0	10.0	2000	160	PHE450MK3560JR05
0.047	B04			18.0	1000	100	PHE450KB5470JR06	0.00068		4.0		10.0	2000		PHE450MK3680JR05
0.056	B04		10.5		1000	100	PHE450KB5560JR06	0.00082		4.0	8.0	10.0	2000	160	PHE450MK3820JR05
0.068 0.082	B04 B05			18.0 18.0	1000	100	PHE450KB5680JR06 PHE450KB5820JR06	0.0010	K01	4.0		10.0	2000	160	PHE450MK4100JR05
J.UUZ	טטם				1000	85	PHE450KB6100JR06	0.0012	K01	4.0	8.0	10.0	2000	160	PHE450MK4120JR05



							ARTICL	E T <u>ABL</u> E							
Capaci- tance µF		Max in m B		nsions L	Max dU/dt V/μs	Rthha °C/W 85 °C	a Article code	Capaci- tance µF	Вох	Max in m B		nsions L	Max dU/dt V/µs		;
		630	VDC	/ 300	VAC	(1 S	ECTION)			630	VDC	/ 400	VAC	(2 S	ECTION)
			LEA	AD SP	ACING	7.5 N	им				LEA	D SPA	CING	22.5	MM
0.0015	K01	4.0	8.0	10.0	2000	160	PHE450MK4150JR05	0.033	D13	6.5	14.5	26.0	1800	58	PHE450MD5330JR06L2
0.0013	K01	4.0	8.0	10.0	2000	160	PHE450MK4180JR05	0.039	D13	6.5	14.5	26.0	1800	58	PHE450MD5390JR06L2
0.0022	K01	4.0	8.0		2000	160	PHE450MK4220JR05	0.047	D13		14.5		1800	58	PHE450MD5470JR06L2
0.0027	K01	4.0	8.0	10.0	2000	160	PHE450MK4270JR05	0.056	D13	6.5	14.5	26.0	1800	58	PHE450MD5560JR06L2
0.0033	K01	4.0	8.0	10.0	2000	160	PHE450MK4330JR05	0.068	D13	6.5	14.5	26.0	1800	59	PHE450MD5680JR06L2
0.0039	K01	4.0	8.0		2000	160	PHE450MK4390JR05	0.082	D13		14.5	26.0	1800	59	PHE450MD5820JR06L2
0.0047	K01	4.0	8.0		1400	160	PHE450MK4470JR05	0.10	D13		14.5 16.5	26.0	1800	59	PHE450MD6100JR06L2
0.0056 0.0068	K01	4.0	8.0	10.0	1400 1400	160 160	PHE450MK4560JR05 PHE450MK4680JR05	0.12	D17	7.0		26.0 26.0	1800 1800	55 55	PHE450MD6120JR06L2 PHE450MD6150JR06L2
0.0082	K01	4.0	8.0	10.0	1400	160	PHE450MK4820JR05	0.13	D17	9.0	18.5	26.0	1800	50	PHE450MD6180JR06L2
0.010	K03		11.0	10.0	1400	160	PHE450MK5100JR05	0.22	D15		18.5	26.0	1800	50	PHE450MD6220JR06L2
0.012	K03		11.0	10.0	1400	160	PHE450MK5120JR05	0.27		11.0		26.0	1800	45	PHE450MD6270JR06L2
0.015	K03		11.0	10.0	1400	160	PHE450MK5150JR05	0.33		11.0		26.0	1800	45	PHE450MD6330JR06L2
0.018	K03	5.0	11.0	10.0	1400	160	PHE450MK5180JR05	0.39	D20	13.5	23.0	26.0	1800	40	PHE450MD6390JR06L2
0.022	K04	6.0	12.0	10.5	1400	160	PHE450MK5220JR05	0.47	D20	13.5	23.0	26.0	1800	40	PHE450MD6470JR06L2
							484	0.56	D19	15.5	24.5	26.0	1800	34	PHE450MD6560JR06L2
			LEA	AD SF	PACINO	3 10 K	/IM				LEA	D SPA	CING	27.5	мм
0.0010	A01	4.0	9.0	13.0	1400	142	PHE450MA4100JR05					0.7			
0.0012	A01	4.0	9.0	13.0	1400	142	PHE450MA4120JR05	0.22	F11	10.5	20.5	31.5	1100	38	PHE450MF6220JR06L2
0.0015	A01	4.0	9.0	13.0	1400	142	PHE450MA4150JR05	0.27	F11	10.5	20.5	31.5	1100	38	PHE450MF6270JR06L2
0.0018	A01	4.0	9.0	13.0	1400	142	PHE450MA4180JR05	0.33	F11	10.5	20.5	31.5	1100	38	PHE450MF6330JR06L2
0.0022	A01	4.0	9.0	13.0	1400	142	PHE450MA4220JR05	0.39	F11	10.5	20.5	31.5	1100	38	PHE450MF6390JR06L2
0.0027	A01	4.0	9.0		1400	142	PHE450MA4270JR05	0.39			12.5		1100	38	PHE450MT6390JR06L2
0.0033	A01	4.0	9.0		1400	142	PHE450MA4330JR05	0.47			22.5	31.5	1100	35	PHE450MF6470JR06L2
0.0039	A01 A01	4.0	9.0	13.0	1400 1400	142	PHE450MA44390JR05	0.56			23.0	31.5	1100	34	PHE450MF6560JR06L2 PHE450MF6680JR06L2
0.0047 0.0056	A01	4.0	9.0		1400	142 142	PHE450MA4470JR05 PHE450MA4560JR05	0.68		14.5	28.0	31.5	1100 1100	33 30	PHE450MF6820JR06L2
0.0068	A01	4.0	9.0	13.0	1400	142	PHE450MA4680JR05	0.82	F19	27.5	16.0	31.5	1100	30	PHE450MT6820JR06L2
0.0082	A01	4.0	9.0		1200	142	PHE450MA4820JR05	1.0			28.0		1100	30	PHE450MF7100JR06L2
0.010	A01	4.0		13.0	1200	142	PHE450MA5100JR05	1.2					1100	25	PHE450MF7120JR06L2
0.012	A01	4.0	9.0	13.0	1200	142	PHE450MA5120JR05	1.2	F18	31.0	19.0	31.5	1100	25	PHE450MT7120JR06L2
0.015	A01	4.0	9.0	13.0	1200	142	PHE450MA5150JR05								
0.018	A02			13.0	1200	122	PHE450MA5180JR05				LEA	D SPA	CING	37.5	MM
0.022	A02		10.5		1200	122	PHE450MA5220JR05	0.50	Dos	10.0	040	44.0	700	00	DI 15 4501 4D0500 1D001 0
0.027	A03			13.0	1200	116	PHE450MA5270JR05	0.56			24.0		700	29	PHE450MR6560JR06L2
0.033	A04 A04			13.0 13.0	1200 1200		PHE450MA5330JR05 PHE450MA5390JR05	0.68			24.0		700 700	28 28	PHE450MR6680JR06L2 PHE450MR6820JR06L2
0.000	704	0.0	12.0	10.0	1200	100		1.0			26.0		700	27	PHE450MR7100JR06L2
		630	VDC	/ 400	VAC	(2 S	ECTION)	1.2			26.0		700	27	PHE450MR7120JR06L2
						,		1.5			32.0		700	24	PHE450MR7150JR06L2
			LE/	AD SF	PACINO	3 15 N	1M	1.8			36.0		700	20	PHE450MR7180JR06L2
								2.2			36.0		700	20	PHE450MR7220JR06L2
0.010	B04				2500	99	PHE450MB5100JR06	2.7			38.0		700	18	PHE450MR7270JR06L2
0.012	B04		10.5		2500	99	PHE450MB5120JR06	3.3	R08	28.0	43.0	41.0	700	18	PHE450MR7330JR06L2
0.015	B04			18.0	2500	100	PHE450MB5150JR06			1000	VDA	/ 075	/^^	/4 0	PECTION'
0.018	B04		10.5	18.0	2500	100	PHE450MB5180JR06			1000	ADC	/ 375	VAC	(1 S	SECTION)
0.022	B04			18.0	2500	100					1 = ^	ם פף	ACING	275	
0.027 0.033	B04 B04		10.5	18.0 18.0	2500 2500	100	PHE450MB5270JR06 PHE450MB5330JR06				LEA	טר טרי	ACING	ı <i>ı</i> .ɔ l	AIIAI
0.033	B05			18.0	2500	90	PHE450MB5390JR06	0.00033	K01	4.0	8.0	10.0	2000	160	PHE450PK3330JR05
0.033	B10			18.0	2500	85	PHE450MB5470JR06	0.00039		4.0	8.0	10.0	2000	160	PHE450PK3390JR05
0.056	B10		12.5	18.0	2500	85	PHE450MB5560JR06	0.00033		4.0	8.0	10.0	2000	160	PHE450PK3470JR05
0.068	B06			18.0	2500	75		0.00056		4.0	8.0	10.0	2000	160	PHE450PK3560JR05
0.082	B12			18.0	2500	72	PHE450MB5820JR06	0.00068		4.0	8.0	10.0	2000	160	PHE450PK3680JR05
0.10	B11	8.5	16.0	18.0	2500	70	PHE450MB6100JR06	0.00082	K01	4.0	8.0	10.0	2000	160	PHE450PK3820JR05
0.12	B14		17.5		2500	61	PHE450MB6120JR06	0.0010		4.0	8.0		2000	160	PHE450PK4100JR05
0.15	B14	9.5	17.5	18.0	2500	61	PHE450MB6150JR06		K01	4.0	8.0	10.0	2000	160	PHE450PK4120JR05
								0.0015	K01	4.0	8.0	10.0	2000	160	PHE450PK4150JR05
								0.0018	K01	4.0	8.0	10.0	2000	160	PHE450PK4180JR05
								0.0022	K01	4.0	8.0	10.0	2000	160	PHE450PK4220JR05



							ARTICL	E TABLI	E						
Capaci- tance µF	Box code			nsions L	Max dU/dt V/μs	Rthha °C/W 85 °C 0.2 m/	;	Capaci- tance µF		Max in m B		nsions L	Max dU/dt V/µs		Article code
	1	1000	VDC	/ 375	VAC	(1 S	ECTION)			1000	VDC	/ 600	VAC	(2 S	ECTION)
			LEA	D SP	ACING	3 7.5 N	им				LEA	D SPA	CING	22.5 N	им
0.0027	K01	4.0	8.0	10.0	2000	160	PHE450PK4270JR05	0.15	D18	10.5	19.0	26.0	1800	49	PHE450PD6150JR06L2
0.0027	K01	4.0		10.0	2000	160	PHE450PK4330JR05	0.18			21.5	26.0	1800		PHE450PD6180JR06L2
0.0039	K01	4.0	8.0	10.0	2000	160	PHE450PK4390JR05	0.22	D20	13.5	23.0	26.0	1800	40	PHE450PD6220JR06L2
0.0047	K03	5.0	11.0	10.0	2000	160	PHE450PK4470JR05	0.27	D19	15.5	24.5	26.0	1800	35	PHE450PD6270JR06L2
0.0056	K03		11.0		2000		PHE450PK4560JR05								
0.0068	K03	5.0	11.0	10.0	2000	160	PHE450PK4680JR05				LEA	D SPA	CING	27.5 N	ИΜ
0.0082	K03 K04			10.0	2000	160 160	PHE450PK4820JR05	0.15	E11	10.5	20.5	21 5	1200	20	DUE450DE6150 ID06I 1
0.010 0.012	K04		12.0		2000	160	PHE450PK5100JR05 PHE450PK5120JR05	0.15 0.18			20.5	31.5 31.5	1300 1300		PHE450PF6150JR06L2 PHE450PF6180JR06L2
J.U 12	1104	0.0	12.0	10.5	2000	100	F11L430FN31200N03	0.18			22.5		1300		PHE450PF6220JR06L2
			LEA	D SP	ACINO	G 10 N	/M	0.22			12.5		1300		PHE450PT6220JR06L2
								0.27				31.5	1300		PHE450PF6270JR06L2
0.0010	A01	4.0	9.0	13.0	1400	142	PHE450PA4100JR05	0.33				31.5	1300	35	PHE450PF6330JR06L2
0.0012	A01	4.0	9.0	13.0	1400	142	PHE450PA4120JR05	0.39			24.5	31.5	1300	34	PHE450PF6390JR06L
	A01	4.0		13.0	1400	142	PHE450PA4150JR05	0.47			28.0	31.5	1300		PHE450PF6470JR06L
0.0018	A01	4.0	9.0	13.0	1400	142	PHE450PA4180JR05	0.47				31.5	1300		PHE450PT6470JR06L
0.0022	A01	4.0		13.0	1400		PHE450PA4220JR05	0.56			29.0		1300		PHE450PF6560JR06L
0.0027	A01 A01	4.0	9.0	13.0 13.0	1400 1400	142 142	PHE450PA4270JR05 PHE450PA4330JR05	0.68			19.0		1300 1300		PHE450PF6680JR06L1 PHE450PT6680JR06L1
0.0039	A01	4.0	9.0	13.0	1400	142	PHE450PA4390JR05	0.00	1 10	31.0	13.0	01.0	1300	20	11114301 100003110012
0.0047	A01	4.0	9.0	13.0	1400	142					LEA	D SPA	CING	37.5 N	ИM
0.0056	A01	4.0	9.0	13.0	1400	142	PHE450PA4560JR05								
0.0068	A01	4.0	9.0	13.0	1400	142	PHE450PA4680JR05	0.33	R05	13.0	24.0	41.0	800	28	PHE450PR6330JR06L
0.0082	A02	4.5	10.5	13.0	1400	122	PHE450PA4820JR05	0.39	R05	13.0	24.0	41.0	800	28	PHE450PR6390JR06L
0.010	A02	4.5	10.5	13.0	1400	122	PHE450PA5100JR05	0.47			24.0	41.0	800		PHE450PR6470JR06L
0.012	A03			13.0	1400	116	PHE450PA5120JR05	0.56			26.0	41.0	800		PHE450PR6560JR06L
0.015 0.018	A04 A04		12.0 12.0	13.0 13.0	1400 1400	105 105	PHE450PA5150JR05 PHE450PA5180JR05	0.68			32.0 32.0	41.0 41.0	800 800		PHE450PR6680JR06L: PHE450PR6820JR06L:
J.U 10	A04	0.0	12.0	13.0	1400	105	FHE430FA3100JN03	1.0				41.0	800		PHE450PR7100JR06L
	1	1000	VDC	/ 600	VAC	(2 S	ECTION)	1.2	R03	19.0	36.0	41.0	800	19	PHE450PR7120JR06L
			LE/	AD SP	ACINO	G 15 N	/IM	1.5 1.8			43.0 43.0	41.0 41.0	800 800		PHE450PR7150JR06L2 PHE450PR7180JR06L2
0.0039	B04	5.5	10.5	18.0	2500	98	PHE450PB4390JR06			1600	VDC	/ 650	VAC	(2 S	ECTION)
0.0047	B04		10.5	18.0	2500	98	PHE450PB4470JR06								
0.0056	B04		10.5	18.0	2500	98	PHE450PB4560JR06				LEA	AD SPA	ACING	3 15 M	M
0.0068	B04	5.5	10.5	18.0	2500	99	PHE450PB4680JR06	0.0007	D04	EE	10 E	100	0500	00	PHE450RB4270JR06
0.0082	B04 B04	5.5	10.5	18.0 18.0	2500 2500	99 99	PHE450PB4820JR06 PHE450PB5100JR06	0.0027	B04 B04	5.5	10.5	18.0 18.0	2500 2500		PHE450RB4330JR06
0.012	B04		10.5	18.0	2500	99	PHE450PB5120JR06	0.0033	B04			18.0	2500		PHE450RB4390JR06
0.015	B04			18.0	2500	100	PHE450PB5150JR06	0.0033	B04			18.0	2500		PHE450RB4470JR06
0.018	B05		12.5	18.0	2500	90	PHE450PB5180JR06	0.0056	B04			18.0	2500		PHE450RB4560JR06
0.022	B05	5.5	12.5	18.0	2500	90	PHE450PB5220JR06	0.0068	B04	5.5	10.5	18.0	2500	99	PHE450RB4680JR06
0.027	B10		12.5		2500	87	PHE450PB5270JR06	0.0082	B04		10.5		2500		PHE450RB4820JR06
0.033	B06		14.5	18.0	2500	78	PHE450PB5330JR06	0.010	B04	5.5	10.5	18.0	2500		PHE450RB5100JR06
0.039	B06			18.0	2500	78	PHE450PB5390JR06	0.012	B04			18.0	2500		PHE450RB5120JR06
0.047	B12		15.0		2500	75 70	PHE450PB5470JR06	0.015	B05		12.5	18.0	2500		PHE450RB5150JR06
0.056 0.068	B11 B14	8.5 9.5	16.0 17.5	18.0 18.0	2500 2500	70 55	PHE450PB5560JR06 PHE450PB5680JR06	0.018 0.022	B10 B10		12.5 12.5	18.0 18.0	2500 2500		PHE450RB5180JR06 PHE450RB5220JR06
.000	14	<i>3</i> .0	17.5	10.0	2000	33	I LIEHOULDOUOUJUUU	0.022	B06		14.5		2500		PHE450RB5270JR06
			LEA	D SPA	CING	22.5	MM	0.027	B12	8.0	15.0	18.0	2500		PHE450RB5330JR06
								0.039	B11		16.0	18.0	2500		PHE450RB5390JR06
0.022	D13	6.5	14.5	26.0	1800	58	PHE450PD5220JR06L2	0.047	B14	9.5	17.5	18.0	2500		PHE450RB5470JR06
0.027	D13		14.5	26.0	1800	58	PHE450PD5270JR06L2	0.056	B14	9.5	17.5	18.0	2500	60	PHE450RB5560JR06
0.033	D13		14.5	26.0	1800	58	PHE450PD5330JR06L2							 = -	
0.039	D13		14.5	26.0	1800	58	PHE450PD5390JR06L2				LEA	U SPA	CING	22.5 N	ИМ
0.047	D13			26.0	1800	58	PHE450PD5470JR06L2	0.010	D10	6.5	145	26.0	1000	60	DUE460DD6400 ID00I
0.056	D13 D17		14.5 16.5	26.0 26.0	1800 1800	58 55	PHE450PD5560JR06L2 PHE450PD5680JR06L2	0.010 0.012	D13		14.5 14.5	26.0 26.0	1800 1800		PHE450RD5100JR06L PHE450RD5120JR06L
069	111/	7.0	10.5												
		8 0	16 0	26 N	1800	54	PHF450PD5820.IR06L2	0.015	D13	6.5	14 5	26 N	1800	60	PHF450RD5150.IR061
0.068 0.082 0.10	D14 D15	8.0 9.0	16.0 18.5	26.0 26.0	1800 1800	54 50	PHE450PD5820JR06L2 PHE450PD6100JR06L2	0.015 0.018	D13		14.5 14.5	26.0 26.0	1800 1800		PHE450RD5150JR06L PHE450RD5180JR06L



															PHE450
							ARTICL	E TABL	E						
Capaci- tance µF		Max in m B		nsions L	Max dU/dt V/μs		Article code	Capaci- tance µF	Вох	Max in m B		nsions L	Max dU/dt V/μs	Rthha °C/W 85 °C 0.2 m/	
		1600	VDC	C / 650	VAC	(2 S	SECTION)			2000	VDC	/ 700	VAC	(2 S	ECTION)
			LEA	D SPA	ACING	22.5	MM				LEA	D SPA	ACING	22.5	MM
0.027	D13	6.5	14.5	26.0	1800	58	PHE450RD5270JR06L2	0.0033	D13	6.5	14.5	26.0	1800	60	PHE450SD4330JR06L2
0.033	D13	6.5	14.5	26.0	1800	58	PHE450RD5330JR06L2	0.0039	D13	6.5	14.5	26.0	1800	60	PHE450SD4390JR06L2
0.039	D13		14.5		1800	58	PHE450RD5390JR06L2	0.0047	D13		14.5	26.0	1800	60	PHE450SD4470JR06L2
0.047	D17	7.0	16.5	26.0	1800	55	PHE450RD5470JR06L2	0.0056	D13	6.5	14.5	26.0	1800	60	PHE450SD4560JR06L2
0.056	D17	7.0	16.5	26.0	1800	55	PHE450RD5560JR06L2	0.0068	D13	6.5	14.5	26.0	1800	60	PHE450SD4680JR06L2
0.068 0.082	D15 D15	9.0	18.5 18.5	26.0 26.0	1800 1800	50 50	PHE450RD5680JR06L2 PHE450RD5820JR06L2	0.0082	D13	6.5 6.5	14.5 14.5	26.0 26.0	1800 1800	60 60	PHE450SD4820JR06L2 PHE450SD5100JR06L2
0.10	D18		19.0	26.0	1800	48	PHE450RD6100JR06L2	0.012	D13	6.5	14.5	26.0	1800	60	PHE450SD5120JR06L2
0.12		11.0			1800	45	PHE450RD6120JR06L2	0.015	D13		14.5	26.0	1800	60	PHE450SD5150JR06L2
0.15	D20	13.5	23.0	26.0	1800	40	PHE450RD6150JR06L2	0.018	D13	6.5	14.5	26.0	1800	58	PHE450SD5180JR06L2
0.18	D20	13.5	23.0	26.0	1800	40	PHE450RD6180JR06L2	0.022	D13	6.5	14.5	26.0	1800	58	PHE450SD5220JR06L2
0.22	D19	15.5	24.5	26.0	1800	34	PHE450RD6220JR06L2	0.027	D17	7.0	16.5	26.0	1800	55	PHE450SD5270JR06L2
								0.033	D17	7.0	16.5	26.0	1800	55	PHE450SD5330JR06L2
			LEA	D SP	ACING	27.5	MM	0.039	D14	8.0	16.0	26.0	1800	53	PHE450SD5390JR06L2
0.000	E44	40.5	00.5	04.5	1000	07	DUE 450D55000 ID001 0	0.047	D15		18.5	26.0	1800	52	PHE450SD5470JR06L2
0.082	F11	10.5	20.5	31.5	1300 1300	37 37	PHE450RF5820JR06L2 PHE450RF6100JR06L2	0.056	D18 D16	10.5	19.0 21.5	26.0 26.0	1800 1800	50 45	PHE450SD5560JR06L2 PHE450SD5680JR06L2
0.10	F17	21.0		31.5	1300	37	PHE450RT6100JR06L2	0.082	D16		21.5	26.0	1800	45	PHE450SD5820JR06L2
0.10	F11	10.5		31.5	1300	37	PHE450RF6120JR06L2	0.10	D20		23.0	26.0	1800	40	PHE450SD6100JR06L2
0.15		11.5		31.5	1300	36	PHE450RF6150JR06L2	0.12	D19		24.5	26.0	1800	35	PHE450SD6120JR06L2
0.18	F03	13.5	23.0	31.5	1300	35	PHE450RF6180JR06L2								
0.22	F13	14.5	24.5	31.5	1300	35	PHE450RF6220JR06L2				LEA	D SPA	ACING	27.5	MM
0.22			16.0	31.5	1300	35	PHE450RT6220JR06L2								
0.27		17.5		31.5	1300	32	PHE450RF6270JR06L2	0.047	F11		20.5	31.5	1300	37	PHE450SF5470JR06L2
0.33	F15	19.0		31.5	1300	28	PHE450RF6330JR06L2	0.056	F11		20.5	31.5	1300	37	PHE450SF5560JR06L2
0.33	F18	31.0	19.0	31.5 31.5	1300 1300	28 25	PHE450RT6330JR06L2 PHE450RF6390JR06L2	0.056	F17 F12		12.5 22.5	31.5	1300 1300	37 36	PHE450ST5560JR06L2 PHE450SF5680JR06L2
0.39	FIO	21.0	30.0	31.3	1300	23	FIE450NF0590JN00L2	0.082	F12		22.5	31.5	1300	35	PHE450SF5820JR06L2
			LEA	D SP	ACING	37.5	мм	0.10	F03		23.0	31.5	1300	34	PHE450SF6100JR06L2
								0.12	F14	17.5	28.0	31.5	1300	32	PHE450SF6120JR06L2
0.18	R05	13.0	24.0	41.0	800	27	PHE450RR6180JR06L2	0.12	F19	27.5	16.0	31.5	1300	32	PHE450ST6120JR06L2
0.22	R05	13.0	24.0	41.0	800	27	PHE450RR6220JR06L2	0.15			28.0		1300	30	PHE450SF6150JR06L2
0.27		13.0			800	27	PHE450RR6270JR06L2	0.18					1300	28	PHE450SF6180JR06L2
0.33	R04				800	26	PHE450RR6330JR06L2	0.18	F18	31.0	19.0	31.5	1300	28	PHE450ST6180JR06L2
0.39 0.47	R02	16.5			800	24	PHE450RR6390JR06L2 PHE450RR6470JR06L2				ΙΕΛ	n en/	ACING	27.5	NA NA
0.47		19.0			800	24 20	PHE450RR6560JR06L2				LLA	D SF	ACING	37.3	IAIIAI
0.68		19.0			800	20	PHE450RR6680JR06L2	0.10	R05	13.0	24.0	41.0	800	27	PHE450SR6100JR06L2
0.82				41.0	800	18	PHE450RR6820JR06L2	0.12			24.0		800	27	PHE450SR6120JR06L2
								0.15	R04		26.0		800	26	PHE450SR6150JR06L2
		2000	VDC	700	VAC	(2 S	ECTION)	0.18	R04	15.0	26.0	41.0	800	26	PHE450SR6180JR06L2
								0.22			32.0		800	24	PHE450SR6220JR06L2
			LE/	AD SF	PACINO	3 15 N	IM	0.27	R03		36.0		800	20	PHE450SR6270JR06L2
0.0010	B04	5.5	10.5	18.0	2500	98	PHE450SB4100JR06	0.33				41.0	800	18	PHE450SR6330JR06L2
0.0012			10.5		2500	98	PHE450SB4120JR06	0.39 0.47			43.0	41.0	800	18 18	PHE450SR6390JR06L2 PHE450SR6470JR06L2
0.0015	B04	5.5	10.5	18.0	2500	98	PHE450SB4150JR06	0.56			43.0		800	18	PHE450SR6560JR06L2
0.0018	B04		10.5	18.0	2500	98	PHE450SB4180JR06		. 100	_0.0	.0.0			10	12 13331 13330001 10012
0.0022	B04		10.5		2500	98	PHE450SB4220JR06			2500	VDC	/ 900	VAC	(3 S	ECTION)
0.0027	B04		10.5	18.0	2500	98	PHE450SB4270JR06							•	•
0.0033	B04		10.5		2500	98	PHE450SB4330JR06				LE/	AD SP	ACINO	G 15 N	1M
0.0039	B04 B04		10.5	18.0 18.0	2500 2500	98 98	PHE450SB4390JR06 PHE450SB4470JR06								
0.0047	B04		10.5	18.0	2500	98	PHE450SB4560JR06	0.0010	B04			18.0	2500	98	PHE450TB4100JR06
0.0068	B04		10.5		2500	98	PHE450SB4680JR06	0.0012	B04			18.0	2500	98	PHE450TB4120JR06
0.0082	B05		12.5	18.0	2500	92	PHE450SB4820JR06	0.0015	B04			18.0	2500		PHE450TB4150JR06
0.010	B10		12.5		2500	90	PHE450SB5100JR06	0.0018	B04 B05		10.5 12.5	18.0 18.0	2500 2500	98 92	PHE450TB4180JR06 PHE450TB4220JR06
0.012	B06		14.5		2500	80	PHE450SB5120JR06	0.0022	B10	6.5	12.5	18.0	2500	90	PHE450TB4270JR06
0.015	B06		14.5		2500	80	PHE450SB5150JR06	0.0033	B06			18.0	2500	80	PHE450TB4330JR06
0.018	B12		15.0		2500 2500	75	PHE450SB5180JR06 PHE450SB5220JR06	0.0039	B06				2500		PHE450TB4390JR06
ロロン	BII	מא	In II	IXII	/20111	/[]	EDE40USB022UJBUh								



70 PHE450SB5220JR06

61 PHE450SB5270JR06

0.0047 B12 8.0 15.0 18.0 2500 75 PHE450TB4470JR06

0.022 B11 8.5 16.0 18.0 2500

0.027 B14 9.5 17.5 18.0 2500

ARTICLE TABLE

Capaci-	Box	Max c	limensi	ions	Max	Rthha	Article code
tance	code	in mm	ı		dU/dt	°C/W	
μF		В	Н	L	V/µs	85 °C	
						0.2 m/s	

2500 VDC / 900 VAC (3 SECTION)

LEAD SPACING 15 MM

0.0056	B11	8.5	16.0	18.0	2500	70	PHE450TB4560JR06
0.0068	B11	8.5	16.0	18.0	2500	70	PHE450TB4680JR06
0.0082	B14	9.5	17.5	18.0	2500	60	PHE450TB4820JR06

LEAD SPACING 22.5 MM

0.0047	D13	6.5	14.5	26.0	1800	60	PHE450TD4470JR06L2
0.0056	D13	6.5	14.5	26.0	1800	60	PHE450TD4560JR06L2
0.0068	D13	6.5	14.5	26.0	1800	60	PHE450TD4680JR06L2
0.0082	D17	7.0	16.5	26.0	1800	55	PHE450TD4820JR06L2
0.010	D14	8.0	16.0	26.0	1800	53	PHE450TD5100JR06L2
0.012	D15	9.0	18.5	26.0	1800	52	PHE450TD5120JR06L2
0.015	D15	9.0	18.5	26.0	1800	52	PHE450TD5150JR06L2
0.018	D18	10.5	19.0	26.0	1800	50	PHE450TD5180JR06L2
0.022	D16	11.0	21.5	26.0	1800	45	PHE450TD5220JR06L2
0.027	D20	13.5	23.0	26.0	1800	45	PHE450TD5270JR06L2
0.033	D19	15.5	24.5	26.0	1800	35	PHE450TD5330JR06L2
0.039	D19	15.5	24.5	26.0	1800	35	PHE450TD5390JR06L2

LEAD SPACING 37.5 MM

0.22 R06 21.0 38.0 41.0 800 18 PHE450TR6220JR06L2

