



RoHS

Features

- UL Recognized File # E-326243
- Qualified as per AEC-Q101
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- 600 watts surge capability at 10 / 1000 us waveform
- Excellent clamping capability
- Low Dynamic impedance
- Fast response time: Typically less than 1.0ps from 0 volt to VBR for unidirectional and 5.0ns for bidirectional
- Typical I_R less than 1uA above 10V
- High temperature soldering guaranteed: 260° C / 10 seconds / .375",(9.5mm) lead length / 5lbs., (2.3kg) tension
- Green compound with suffix "G" on packing code & prefix "G" on datecode

Mechanical Data

- Case: Molded plastic
- Lead: Pure tin plated lead free, solderable per MIL-STD-202, Method 208
- Polarity: Color band denotes cathode except bipolar
- Weight: 0.42 gram

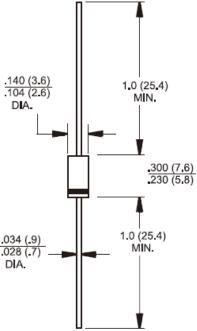
Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

P6KE SERIES 600 Watts Transient Voltage Suppressor

DO-15



Dimensions in inches and (millimeters)

G

Υ

M

P6KEXX

Marking Diagram P6KEXX = Specific Device Code = Green Compound = Year = Work Month

Type Number	Symbol	Value	Unit
Peak Power Dissipation at T _A =25°C, Tp=1ms(Note 1)	P_{PK}	600	Watts
Steady State Power Dissipation at T_L =75 $^{\circ}$ C Lead Lengths .375 $^{\circ}$, 9.5mm (Note 2)	P _D	5	Watts
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)(Note 3)	I _{FSM}	100	Amps
Maximum Instantaneous Forward Voltage at 50A for Unidirectional Only (Note 4)	V _F	3.5 / 5.0	Volts
Typical Thermal Resistance	$R_{ heta JL} \ R_{ heta JA}$	10 62	°C/W
Operating and Storage Temperature Range	T_J , T_{STG}	-55 to +175	$^{\circ}\mathbb{C}$

Note 1: Non-repetitive Current Pulse Per Fig. 3 and Derated above T_A=25° C Per Fig. 2

Note 2: Mounted on Copper Pad Area 0.4" x 0.4"(10mm x 10mm)

Note 3: 8.3ms Single Half Sine-wave or Equivalent Square Wave, Duty Cycle=4 Pulses Per Minute Maximum

Note 4: V_F =3.5V for Devices of $V_{BR} \le 200V$ and V_F =5.0V Max. for Device V_{BR} >200V

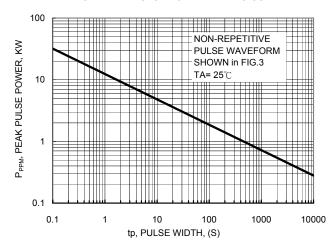
Devices for Bipolar Applications

- 1. For Bidrectional Use C or CA Suffix for Types P6KE6.8 through Types P6KE440
- 2. Electrical Characterstics Apply in Both Directions



RATINGS AND CHARACTERISTIC CURVES (P6KE SERIES)

FIG. 1 PEAK PULSE POWER RATING CURVE



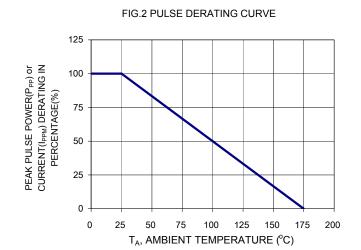
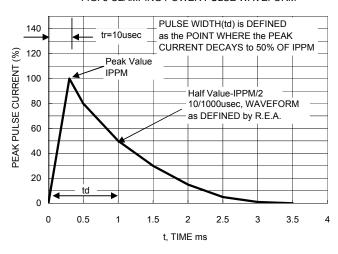


FIG. 3 CLAMPING POWER PULSE WAVEFORM



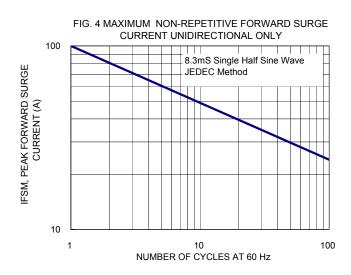
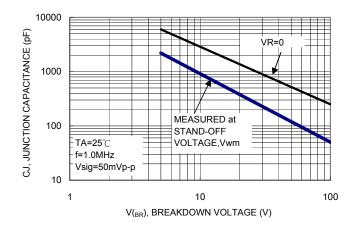


FIG. 5 TYPICAL JUNCTION CAPACITANCE



ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

Nominal Part Nominal					Test	•	Maximum	Maximum	Maximum	Maximum
General Number	General		Breakdown Voltage (Note 1)			Stand-Off				
Ver.					Current	voltage	ū	•		•
Color	Part					\/			@ I _{PPM}	Coefficient
Min	Number	0.0								of V _{BR}
POREGO 8 6.8 6.12 7.48 10 5.50 1000 58.0 10. POREGO 8A 6.8 6.14 7.14 10 5.50 1000 60.0 10. POREGO 8A 6.8 6.8 6.16 7.14 10 5.50 1000 60.0 10. POREGO 7.5 6.75 8.25 10 6.05 500 53.0 11. POREGO 7.5 7.5 7.13 7.88 10 6.40 500 55.0 11. POREGO 7.5 7.38 9.02 10 6.63 200 50.0 12. POREGO 8.2 7.38 9.02 10 6.63 200 50.0 12. POREGO 9.1 8.19 10.00 1 7.02 200 52.0 12. POREGO 1 9.1 8.19 10.00 1 7.73 50 45.0 13. POREGO 1 9.1 8.85 9.55 1 7.78 50 47.0 13. POREGO 1 0 9.00 11.00 1 8.10 10 42.0 15. POREGO 1 10 9.00 11.00 1 8.10 10 42.0 15. POREGO 1 11 9.50 10.5 1 8.50 10 43.0 16. POREGO 1 11 9.90 12.1 1 8.55 10 43.0 16. POREGO 1 10 9.00 12.1 1 1 8.92 1 38.0 16. POREGO 1 10 9.00 12.1 1 1 8.92 1 38.0 16. POREGO 1 1 1 1.0 5 11.6 1 9.40 1 40.0 15. POREGO 1 1 1 1.0 5 11.6 1 9.40 1 40.0 15. POREGO 1 1 1 1.0 5 11.6 1 9.00 1 37.0 16. POREGO 1 1 1.0 8 13.2 1 9.72 1 36.0 17. POREGO 1 1 1.0 1 1.0 1 1.0 1 1.0 1 1.0 1.0 1.0		(V)	,		(mA)	(V)	(uA)		(V)	(%/℃)
PORCES BA 6.8 6.48 7.14 10 5.80 1000 60.0 10. PORCETS 7.5 6.75 8.25 10 6.05 550 53.0 11. PORCES 7.5 7.13 7.88 10 6.40 500 55.0 11. PORCES 2.8 2.738 9.02 10 6.63 200 50.0 12. PORCES 3.2 7.79 8.61 10 7.02 200 52.0 12. PORCE9.1 9.1 8.65 9.55 1 7.78 50 47.0 13. PORCE10.A 9.1 8.65 9.55 1 7.78 50 47.0 13. PORCE10.A 10 9.90 11.00 1 8.55 10 43.0 14. PORCE110.A 10 9.50 10.5 1 8.55 10 43.0 14. PORCE110.A 10 9.50 10.5					10		4000	, ,	40.0	
POKET-5									10.8	0.057
PREETSA 7.5 7.13 7.88 10 6.40 500 55.0 11. PAKE82 6.2 7.78 9.02 10 6.63 200 55.0 12. PRESE 2.0 7.79 8.81 10 7.02 200 52.0 12. PRESE 1 9.1 8.99 10.00 1 7.37 50 45.0 13. PRESE 1.0 1.0 1 7.78 50 45.0 13. PRESE 1.0 9.00 11.00 1 8.10 10 42.0 15. PREETIO 10 9.00 11.00 1 8.10 10 42.0 15. PREETIO 10 9.50 10.5 1 8.55 10 43.0 14. PREETIA 11 11 10.5 1 8.55 10 43.0 14. PREETIA 11 11 11.1 10.0 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>10.5</td> <td>0.057</td>							-		10.5	0.057
PRKEB2 8.2 7.38 9.02 10 6.63 200 50.0 12. PRKEB2A 8.2 7.79 8.61 10 7.02 200 52.0 12. PRKE91 9.1 8.19 10.00 1 7.37 50 45.0 13. PRKE10 10 9.00 11.00 1 8.10 10 42.0 13. PRKE10A 10 9.00 11.00 1 8.10 10 42.0 15. PRKE10A 10 9.50 10.5 1 8.55 10 42.0 15. PRKE11 11 9.90 12.1 1 8.85 1 42.0 15. PRKE11 11 9.90 12.1 1 8.92 1 38.0 16. PRKE11 11 10.5 1 1.3 1 4.0 1 4.2 1 4.2 1 4.2 1 4.2 1 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>11.7</td><td>0.061</td></t<>									11.7	0.061
P6KE8.2A 8.2 7.79 8.61 10 7.02 200 52.0 12. P6KE9.1 9.1 8.19 10.00 1 7.78 50 47.0 13. P6KE10 10 9.0 11.00 1 8.10 10 42.0 15. P6KE10A 10 9.50 10.5 1 8.55 10 43.0 14. P6KE11A 11 19.90 12.1 1 8.52 1 38.0 16. P6KE11A 11 10.5 11.6 1 9.40 1 40.0 15. P6KE13A 12 11.6 1 9.40 1 40.0 15. P6KE13A 12 11.4 12.6 1 10.2 1 37.0 16. P6KE13A 13 11.7 14.3 1 11.1 1 34.0 18. P6KE165 15 13.5 16.5 1 12.1 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.3</td> <td>0.061</td>									11.3	0.061
P6KE9.1 9.1 8.19 10.00 1 7.37 50 45.0 13. P6KE9.1A 9.1 8.65 9.55 1 7.78 50 47.0 13. P6KE10A 10 9.0 11.00 1 8.10 10 42.0 15. P6KE10A 10 9.50 10.5 1 8.55 10 43.0 14. P6KE11 11 9.90 12.1 1 8.92 1 38.0 16. P6KE11A 11 10.5 11.6 1 9.40 1 40.0 15. P6KE12 12 10.8 13.2 1 9.72 1 36.0 17. P6KE13A 13 11.7 14.3 1 10.5 1 33.0 19. P6KE13A 13 12.4 13.7 1 11.1 1 34.0 18. P6KE13A 15 14.3 15.8 1 12.1							-		12.5	0.065
P6KE9 1A 9.1 8.65 9.55 1 7.78 50 47.0 13. P6KE10 10 9.00 11.00 1 8.10 10 42.0 15. P6KE10 10 9.50 10.5 1 8.55 10 43.0 14. P6KE11 11 9.90 12.1 1 8.92 1 38.0 16. P6KE11A 11 10.5 11.6 1 9.40 1 40.0 15. P6KE12A 12 11.4 12.6 1 10.2 1 37.0 16. P6KE13A 13 11.7 14.3 1 10.2 1 37.0 16. P6KE15A 15 13.5 16.5 1 11.1 1 34.0 18. P6KE15A 15 13.5 16.5 1 12.1 1 28.0 22.2 P6KE16A 16 15.2 16.8 1 12.9							200		12.1	0.065
P6KE10 10 9.00 11.00 1 8.10 10 42.0 15. P6KE10A 10 9.50 10.5 1 8.56 10 43.0 14. P6KE11A 11 19.90 12.1 1 8.92 1 38.0 16. P6KE12 12 10.8 13.2 1 9.72 1 36.0 17. P6KE12 12 10.8 13.2 1 9.72 1 36.0 17. P6KE13 13 11.7 14.3 1 10.5 1 33.0 19. P6KE13A 13 12.4 13.7 1 11.1 1 34.0 18. P6KE13A 13 12.4 13.7 1 11.1 1 34.0 18. P6KE16A 15 14.3 15.8 1 12.1 1 28.0 22. P6KE16B 16 14.4 17.6 1 12.1									13.8	0.068
P6KE10A 10 9.50 10.5 1 8.55 10 43.0 14. P6KE11 11 9.90 12.1 1 8.92 1 38.0 16. P6KE12 12 10.8 13.2 1 9.72 1 36.0 17. P6KE12A 12 11.4 12.6 1 10.2 1 36.0 17. P6KE13A 13 11.7 14.3 1 10.5 1 33.0 19. P6KE13A 13 11.4 13.7 1 11.1 1 34.0 18. P6KE15A 15 13.5 16.5 1 12.1 1 28.0 22. P6KE16B 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16A 16 15.2 16.8 1 13.6 1 22.0 20. 21. 26.0 23. 26. P6KE16A 16	E9.1A			9.55	1	7.78			13.4	0.068
P6KE11 11 9,90 12,1 1 8,92 1 38,0 16, P6KE11A 11 10,5 11,6 1 9,40 1 40,0 15, P6KE12A 12 11,4 12,6 1 9,72 1 36,0 17,7 P6KE13 13 11,7 14,3 1 10,2 1 37,0 16,0 16,0 16,0 16,0 17,0 16,0 17,0 16,0 16,0 17,0 16,0 16,0 17,0 16,0 16,0 17,0 16,0 16,0 17,0 16,0 16,0 17,0 16,0 18,0 18,0 19,0 18,0 18,0 19,0 22,0 11,0 18,0 19,0 22,0 22,0 21,0 22,0 22,0 21,0 22,0 22,0 22,0 22,0 27,0 28,0 22,2 27,0 28,0 22,2 27,0 28,0 22,2 28,0 22,2 28,0 22,2 28,0 22,2 29,0 22,1	E10	10	9.00	11.00	1	8.10	10	42.0	15.0	0.073
P6KE11A 11 10.5 11.6 1 9.40 1 40.0 15. P6KE12 12 10.8 13.2 1 9.72 1 36.0 17. P6KE13A 12 11.4 12.6 1 10.2 1 37.0 16. P6KE13A 13 11.7 14.3 1 10.5 1 33.0 19. P6KE15A 13 12.4 13.7 1 11.1 1 34.0 18. P6KE15 15 13.5 16.5 1 12.1 1 28.0 22. P6KE16A 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16A 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16B 16 15.2 16.8 1 13.6 1 28.0 22. P6KE18A 18 16.2 19.8 1 14.5	E10A	10	9.50	10.5	1	8.55	10	43.0	14.5	0.073
P6KE12 12 10.8 13.2 1 9.72 1 36.0 17. P6KE12A 12 11.4 12.6 1 10.2 1 37.0 16. P6KE13A 13 11.7 14.3 1 10.5 1 33.0 19. P6KE15A 15 13.5 16.5 1 12.1 1 28.0 22. P6KE16A 15 14.3 15.8 1 12.8 1 29.0 22. P6KE16A 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16A 16 15.2 16.8 1 12.8 1 29.0 21. P6KE18A 18 16.2 19.8 1 14.5 1 23.0 22. P6KE18A 18 17.1 18.9 1 15.3 1 25.0 25. P6KE2B 20 18.0 22.0 1 16.2	E11	11	9.90	12.1	1	8.92	1	38.0	16.2	0.075
P6KE12A 12 11.4 12.6 1 10.2 1 37.0 16. P6KE13 13 11.7 14.3 1 10.5 1 33.0 19. P6KE13A 13 11.2.4 13.7 1 11.1 1 34.0 18. P6KE15A 15 13.5 16.5 1 12.1 1 28.0 22. P6KE16A 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16A 16 14.4 17.6 1 12.9 1 26.0 23. P6KE18 18 16.2 19.8 1 14.5 1 23.0 26. P6KE18 18 17.1 18.9 1 15.3 1 25.0 25.0 P6KE2B 18 17.1 18.9 1 15.3 1 25.0 25. P6KE2A 2 2 19.8 24.2 1 <th< td=""><td>E11A</td><td>11</td><td>10.5</td><td>11.6</td><td>1</td><td>9.40</td><td>1</td><td>40.0</td><td>15.6</td><td>0.075</td></th<>	E11A	11	10.5	11.6	1	9.40	1	40.0	15.6	0.075
P6KE13 13 11.7 14.3 1 10.5 1 33.0 19. P6KE13A 13 12.4 13.7 1 11.1 1 34.0 18. P6KE15A 15 15. 14.3 16.5 1 12.1 1 22.0 22. P6KE15A 15 14.3 15.8 1 12.8 1 29.0 21. P6KE16 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16 16 15.2 16.8 1 13.6 1 28.0 22. P6KE18 18 16.2 19.8 1 14.5 1 23.0 26. P6KE18A 18 17.1 18.9 1 15.3 1 25.0 25. P6KE20 20 18.0 22.0 1 16.2 1 21.0 29. P6KE20 20 18.0 22.0 1 16.2 1 21.0 29. P6KE22 22 19.8 24.2 1 17.8 1 19.0 31. P6KE22A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE24A 24 21.6 26.4 1 19.4 1 18.8 1 20.0 30. P6KE24A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE20 30 27.0 33.0 1 24.3 1 16.8 1 16.0 39. P6KE30 30 27.0 33.0 1 24.3 1 16.8 1 16.0 39. P6KE30 30 27.0 33.0 1 24.3 1 16.8 1 16.0 39. P6KE30 30 27.0 33.0 1 24.3 1 16.8 1 16.0 39. P6KE30 30 27.0 33.0 1 22.3 1 1 16.8 1 16.0 39. P6KE30 30 27.0 33.0 1 24.3 1 16.8 1 16.0 39. P6KE30 30 27.0 33.0 1 24.3 1 16.8 1 16.0 39. P6KE30 30 32.4 39.6 1 29.1 1 26.8 1 13.0 41. P6KE36 36 32.4 39.6 1 29.1 1 10.6 1 10.0 61. P6KE36 36 36 32.4 39.6 1 29.1 1 10.0 61. P6KE37 47 42.3 51.7 1 38.1 10.0 61. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE30A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE30A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE30A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE31 43 43. 47. 49.4 1 40.2 1 9.7 64. P6KE36 56 50.4 61.6 1 42.9 1 38.1 19.0 61. P6KE36 56 50.4 61.6 1 42.9 1 38.1 19.0 61. P6KE36 56 56 50.4 61.6 1 44.5 1 70.0 89. P6KE36 56 56 50.4 61.6 1 44.5 1 70.0 89. P6KE66 68 61.2 74.8 1 55.1 1 60.7 1 5.8 10.0	E12	12	10.8	13.2	1	9.72	1	36.0	17.3	0.078
P6KE13A 13 12.4 13.7 1 11.1 1 34.0 18. P6KE15 15 13.5 16.5 1 12.1 1 28.0 22. P6KE15A 15 14.3 15.8 1 12.8 1 29.0 21. P6KE16 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16A 16 15.2 16.8 1 13.6 1 28.0 22. P6KE18 18 16.2 19.8 1 14.5 1 23.0 26. P6KE18 18 16.2 19.8 1 14.5 1 23.0 26. P6KE20 20 18.0 22.0 1 16.2 1 21.0 29. P6KE20A 20 19.0 21.0 1 17.1 1 22.0 27. P6KE20A 20 19.0 21.0 1 17.1 1 22.0 27. P6KE22A 22 29.9 23.1 1 18.8 1 20.0 30. P6KE24 24 21.6 26.4 1 19.4 1 18.0 34. P6KE24A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE24A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE27A 27 25.7 28.4 1 23.1 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE30A 30 32.4 39.6 1 28.1 13.8 45. P6KE30A 30 37.4 41.0 1 33.3 1 11.6 53. P6KE30A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE30A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE30A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE30A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE30A 43 40.9 45.2 1 36.8 1 30.8 1 12.0 52.0 57. P6KE30A 47 42.9 1 31.6 1 11.1 15.0 52. P6KE30A 48 40.9 45.2 1 36.8 1 10.0 65. P6KE30A 49 40.9	E12A	12	11.4	12.6	1	10.2	1	37.0	16.7	0.078
P6KE15 15 13.5 16.5 1 12.1 1 28.0 22. P6KE15A 15 14.3 15.8 1 12.8 1 29.0 21. P6KE16 16 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16A 16 15.2 16.8 1 13.6 1 28.0 22. P6KE18 18 18 16.2 19.8 1 14.5 1 23.0 26. P6KE18A 18 17.1 18.9 1 15.3 1 25.0 25. P6KE20A 20 18.0 22.0 1 16.2 1 21.0 29. P6KE20A 20 19.0 21.0 1 17.1 1 22.0 27. P6KE22 22 19.8 24.2 1 17.8 1 19.0 31. P6KE22A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE24A 24 21.6 26.4 1 19.4 1 18.8 1 20.0 30. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE27 27 25.7 28.4 1 23.1 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE39 39 35.1 42.9 1 31.6 1 12.6 49. P6KE39 39 35.1 42.9 1 31.6 1 11.6 56. P6KE3A 43 43 40.9 45.2 1 36.8 1 10.0 61. P6KE4A 47 42.3 51.7 1 38.1 1 16.6 59. P6KE3A 56.5 56.5 1 43.0 1 16.8 1 10.0 61. P6KE4A 47 42.3 51.7 1 38.1 1 16.6 59. P6KE3A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE3A 56.5 56.5 1 47.0 1 10.0 61. P6KE4A 57 47 42.3 51.7 1 38.1 1 16.6 59. P6KE3A 58.9 65.1 1 43.0 1 19.7 64. P6KE3B 58.9 65.1 1 43.6 1 18.9 70. P6KE6O 56 50.4 61.6 1 45.4 1 7.8 80. P6KE6O 56 50.4 61.6 1 45.4 1 7.8 80. P6KE6O 66 66 61.2 74.8 1 55.1 1 60.7 1 5.8 10.	E13	13	11.7	14.3	1	10.5	1	33.0	19.0	0.081
P6KE15A 15 14.3 15.8 1 12.8 1 29.0 21. P6KE16 16 14.4 17.6 1 12.9 1 26.0 23. P6KE16A 16 15.2 16.8 1 13.6 1 28.0 22. P6KE18 18 16.2 19.8 1 14.5 1 23.0 26. P6KE2D 20 18.0 22.0 1 16.2 1 21.0 29. P6KE2DA 20 19.0 22.0 1 16.2 1 21.0 29. P6KE2DA 20 19.0 22.0 1 16.2 1 21.0 29. P6KE2DA 20 19.0 21.0 1 17.1 1 22.0 27. P6KE2DA 22 29.9 23.1 1 18.8 1 20.0 30. P6KE2A 24 21.6 26.4 1 19.4 <t< td=""><td>E13A</td><td>13</td><td>12.4</td><td>13.7</td><td>1</td><td>11.1</td><td>1</td><td>34.0</td><td>18.2</td><td>0.081</td></t<>	E13A	13	12.4	13.7	1	11.1	1	34.0	18.2	0.081
P6KE16	E15	15	13.5	16.5	1	12.1	1	28.0	22.0	0.084
P6KE16A 16 15.2 16.8 1 13.6 1 28.0 22. P6KE18 18 16.2 19.8 1 14.5 1 23.0 26. P6KE18A 18 17.1 18.9 1 15.3 1 25.0 25. 25.0 25. 25.0 25.	E15A	15	14.3	15.8	1	12.8	1	29.0	21.2	0.084
P6KE18 18 16.2 19.8 1 14.5 1 23.0 26. P6KE18A 18 17.1 18.9 1 15.3 1 25.0 25. P6KE2D 20 18.0 22.0 1 16.2 1 21.0 29. P6KE2DA 20 19.0 21.0 1 17.1 1 22.0 27. P6KE2A 22 19.8 24.2 1 17.8 1 19.0 31. P6KE2A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE2A 24 21.6 26.4 1 19.4 1 18.0 34. P6KE2A 24 21.6 26.4 1 19.4 1 18.0 33. P6KE2A 24 22.8 25.2 1 21.8 1 16.0 39. P6KE2A 27 25.7 28.4 1 23.1 1<	E16	16	14.4	17.6	1	12.9	1	26.0	23.5	0.086
P6KE18A 18 17.1 18.9 1 15.3 1 25.0 25. P6KE2O 20 18.0 22.0 1 16.2 1 21.0 29. P6KE2DA 20 19.0 21.0 1 17.1 1 22.0 27. P6KE22A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE2A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE2A 24 21.6 26.4 1 19.4 1 18.0 34. P6KE2A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE2A 27 24.3 29.7 1 21.8 1 16.0 39. P6KE2A 27 25.7 28.4 1 23.1 1 16.8 37. P6KE3O 30 27.0 33.0 1 24.3 1	E16A	16	15.2	16.8	1	13.6	1	28.0	22.5	0.086
P6KE20 20 18.0 22.0 1 16.2 1 21.0 29. P6KE20A 20 19.0 21.0 1 17.1 1 22.0 27. P6KE22A 22 19.8 24.2 1 17.8 1 19.0 31. P6KE2A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE24A 24 21.6 26.4 1 19.4 1 18.0 34. P6KE24A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE30 30 27.0 33.0 1 24.3 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30 30 27.0 36.3 1 26.6	E18	18	16.2	19.8	1	14.5	1	23.0	26.5	0.088
P6KE20A 20 19.0 21.0 1 17.1 1 22.0 27. P6KE22 22 19.8 24.2 1 17.8 1 19.0 31. P6KE2A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE24 24 21.6 26.4 1 19.4 1 18.0 34. P6KE24A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE30A 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE33A 33 31.4 34.7 1 28.2 <t< td=""><td>E18A</td><td>18</td><td>17.1</td><td>18.9</td><td>1</td><td>15.3</td><td>1</td><td>25.0</td><td>25.5</td><td>0.088</td></t<>	E18A	18	17.1	18.9	1	15.3	1	25.0	25.5	0.088
P6KE22 22 19.8 24.2 1 17.8 1 19.0 31. P6KE22A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE24 24 21.6 26.4 1 19.4 1 18.0 34. P6KE24A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE30 30 27.0 33.0 1 24.3 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE330 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33 33 31.4 34.7 1 28.2 1 13.0 47. P6KE36 36 32.4 39.6 1 29.1 1	E20	20	18.0	22.0	1	16.2	1	21.0	29.1	0.090
P6KE22A 22 20.9 23.1 1 18.8 1 20.0 30. P6KE24 24 21.6 26.4 1 19.4 1 18.0 34. P6KE2AA 24 22.8 25.2 1 20.5 1 19.0 33. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE27A 27 25.7 28.4 1 23.1 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE36 36 34.2 37.8 1 30.8	E20A	20	19.0	21.0	1	17.1	1	22.0	27.7	0.090
P6KE24 24 21.6 26.4 1 19.4 1 18.0 34. P6KE24A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE27A 27 25.7 28.4 1 23.1 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33A 33 29.7 36.3 1 26.8 1 13.0 47. P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE36A 36 34.2 37.8 1 30.8 <t< td=""><td>E22</td><td>22</td><td>19.8</td><td>24.2</td><td>1</td><td>17.8</td><td>1</td><td>19.0</td><td>31.9</td><td>0.092</td></t<>	E22	22	19.8	24.2	1	17.8	1	19.0	31.9	0.092
P6KE24A 24 22.8 25.2 1 20.5 1 19.0 33. P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE30A 27 25.7 28.4 1 23.1 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE36A 36 32.4 39.6 1 29.1 1 12.0 52. P6KE39A 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 <	E22A	22	20.9	23.1	1	18.8	1	20.0	30.6	0.092
P6KE27 27 24.3 29.7 1 21.8 1 16.0 39. P6KE27A 27 25.7 28.4 1 23.1 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE36A 36 34.2 37.8 1 30.8 1 12.6 49. P6KE36A 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 <t< td=""><td>E24</td><td>24</td><td>21.6</td><td>26.4</td><td>1</td><td>19.4</td><td>1</td><td>18.0</td><td>34.7</td><td>0.094</td></t<>	E24	24	21.6	26.4	1	19.4	1	18.0	34.7	0.094
P6KE27A 27 25.7 28.4 1 23.1 1 16.8 37. P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE39A 36 34.2 37.8 1 30.8 1 12.6 49. P6KE39 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 <th< td=""><td>E24A</td><td>24</td><td>22.8</td><td>25.2</td><td>1</td><td>20.5</td><td>1</td><td>19.0</td><td>33.2</td><td>0.094</td></th<>	E24A	24	22.8	25.2	1	20.5	1	19.0	33.2	0.094
P6KE30 30 27.0 33.0 1 24.3 1 14.0 43. P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE36A 36 34.2 37.8 1 30.8 1 12.6 49. P6KE39 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE447 47 42.3 51.7 1 38.1 <th< td=""><td>E27</td><td>27</td><td>24.3</td><td>29.7</td><td>1</td><td>21.8</td><td>1</td><td>16.0</td><td>39.1</td><td>0.096</td></th<>	E27	27	24.3	29.7	1	21.8	1	16.0	39.1	0.096
P6KE30A 30 28.5 31.5 1 25.6 1 15.0 41. P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE36A 36 34.2 37.8 1 30.8 1 12.6 49. P6KE39 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE43A 43 40.9 45.2 1 36.8 1 10.6 59. P6KE47A 47 42.3 51.7 1 38.1 <t< td=""><td>E27A</td><td>27</td><td>25.7</td><td>28.4</td><td>1</td><td>23.1</td><td>1</td><td>16.8</td><td>37.5</td><td>0.096</td></t<>	E27A	27	25.7	28.4	1	23.1	1	16.8	37.5	0.096
P6KE33 33 29.7 36.3 1 26.8 1 13.0 47. P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE36A 36 34.2 37.8 1 30.8 1 12.6 49. P6KE39 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE43A 43 40.9 45.2 1 36.8 1 10.6 59. P6KE47A 47 42.3 51.7 1 38.1 1 9.2 67. P6KE51 51 45.9 56.1 1 41.3	E30	30	27.0	33.0	1	24.3	1	14.0	43.5	0.097
P6KE33A 33 31.4 34.7 1 28.2 1 13.8 45. P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE36A 36 34.2 37.8 1 30.8 1 12.6 49. P6KE39 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE43A 43 40.9 45.2 1 36.8 1 10.0 61. P6KE47A 47 42.3 51.7 1 38.1 1 9.2 67. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6	E30A	30	28.5	31.5	1	25.6	1	15.0	41.4	0.097
P6KE36 36 32.4 39.6 1 29.1 1 12.0 52. P6KE36A 36 34.2 37.8 1 30.8 1 12.6 49. P6KE39 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE43A 43 40.9 45.2 1 36.8 1 10.0 61. P6KE47A 47 42.3 51.7 1 38.1 1 9.2 67. P6KE47A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1	E33	33	29.7	36.3	1	26.8	1	13.0	47.7	0.098
P6KE36A 36 34.2 37.8 1 30.8 1 12.6 49. P6KE39 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE43A 43 40.9 45.2 1 36.8 1 10.6 59. P6KE47 47 42.3 51.7 1 38.1 1 9.2 67. P6KE47A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 </td <td>E33A</td> <td>33</td> <td>31.4</td> <td>34.7</td> <td>1</td> <td>28.2</td> <td>1</td> <td>13.8</td> <td>45.7</td> <td>0.098</td>	E33A	33	31.4	34.7	1	28.2	1	13.8	45.7	0.098
P6KE39 39 35.1 42.9 1 31.6 1 11.1 56. P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE43A 43 40.9 45.2 1 36.8 1 10.6 59. P6KE47 47 42.3 51.7 1 38.1 1 9.2 67. P6KE47A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 <td>E36</td> <td>36</td> <td>32.4</td> <td>39.6</td> <td>1</td> <td>29.1</td> <td>1</td> <td>12.0</td> <td>52.0</td> <td>0.099</td>	E36	36	32.4	39.6	1	29.1	1	12.0	52.0	0.099
P6KE39A 39 37.1 41.0 1 33.3 1 11.6 53. P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE43A 43 40.9 45.2 1 36.8 1 10.6 59. P6KE47A 47 42.3 51.7 1 38.1 1 9.2 67. P6KE47A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62A 62 55.8 68.2 1 50.2 1 </td <td>E36A</td> <td>36</td> <td>34.2</td> <td>37.8</td> <td>1</td> <td>30.8</td> <td>1</td> <td>12.6</td> <td>49.9</td> <td>0.099</td>	E36A	36	34.2	37.8	1	30.8	1	12.6	49.9	0.099
P6KE43 43 38.7 47.3 1 34.8 1 10.0 61. P6KE43A 43 40.9 45.2 1 36.8 1 10.6 59. P6KE47 47 42.3 51.7 1 38.1 1 9.2 67. P6KE47A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62A 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 <td>E39</td> <td>39</td> <td>35.1</td> <td>42.9</td> <td>1</td> <td>31.6</td> <td>1</td> <td>11.1</td> <td>56.4</td> <td>0.100</td>	E39	39	35.1	42.9	1	31.6	1	11.1	56.4	0.100
P6KE43A 43 40.9 45.2 1 36.8 1 10.6 59. P6KE47 47 42.3 51.7 1 38.1 1 9.2 67. P6KE47A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62A 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1	E39A	39	37.1	41.0	1	33.3	1	11.6	53.9	0.100
P6KE47 47 42.3 51.7 1 38.1 1 9.2 67. P6KE47A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1	E43	43	38.7	47.3	1	34.8	1	10.0	61.9	0.101
P6KE47A 47 44.7 49.4 1 40.2 1 9.7 64. P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1	E43A	43	40.9	45.2	1	36.8	1	10.6	59.3	0.101
P6KE51 51 45.9 56.1 1 41.3 1 8.5 73. P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10	E47	47	42.3	51.7	1	38.1	1	9.2	67.8	0.101
P6KE51A 51 48.5 53.6 1 43.6 1 8.9 70. P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10	E47A	47	44.7	49.4	1	40.2	1	9.7	64.8	0.101
P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10	E51	51	45.9	56.1	1	41.3	1	8.5	73.5	0.102
P6KE56 56 50.4 61.6 1 45.4 1 7.8 80. P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10	E51A	51	48.5	53.6	1	43.6	1	8.9	70.1	0.102
P6KE56A 56 53.2 58.8 1 47.8 1 8.1 77. P6KE62 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10	E56	56	50.4	61.6	1	45.4	1	7.8	80.5	0.103
P6KE62 62 55.8 68.2 1 50.2 1 7.0 89. P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10	E56A								77.0	0.103
P6KE62A 62 58.9 65.1 1 53.0 1 7.4 85. P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10									89.0	0.104
P6KE68 68 61.2 74.8 1 55.1 1 6.4 98. P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10	E62A	62				53.0			85.0	0.104
P6KE68A 68 64.6 71.4 1 58.1 1 6.8 92. P6KE75 75 67.5 82.5 1 60.7 1 5.8 10									98.0	0.104
P6KE75 75 67.5 82.5 1 60.7 1 5.8 10									92.0	0.104
									108	0.105
P6KE75A		75	71.3	78.8	1	64.1	1	6.1	103	0.105
							1		118	0.105
									113	0.105
									131	0.106
							-		125	0.106

ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

General Part Number (V)	Naminal	(NOTE 1)		Test	Stand-Off	Maximum	Maximum	Maximum	Maximum
				Current	Voltage	Reverse Leakage	Peak Surge	Clamping Voltage	Temperature
					@ V _{wm}	Current	@ I _{PPM}	Coefficient	
		V_{BR}		I _T	V _{WM}	I _D	I _{PPM}	Vc	of V _{BR}
	(V)	(V)	(mA)	(V)	(uA)	(A)	(V)	(%/℃)
		Min	Max				(Note 2)		
P6KE100	100	90	110	1	81.0	1	4.3	144	0.106
P6KE100A	100	95	105	1	85.5	1	4.5	137	0.106
P6KE110	110	99	121	1	89.2	1	3.9	158	0.107
P6KE110A	110	105	116	1	94.0	1	4.1	152	0.107
P6KE120	120	108	132	1	97.2	1	3.6	173	0.107
P6KE120A	120	114	126	1	102	1	3.8	165	0.107
P6KE130	130	117	143	1	105	1	3.3	187	0.107
P6KE130A	130	124	137	1	111	1	3.5	179	0.107
P6KE150	150	135	165	1	121	1	2.9	215	0.108
P6KE150A	150	143	158	1	128	1	3.0	207	0.108
P6KE160	160	144	176	1	130	1	2.7	230	0.108
P6KE160A	160	152	168	1	136	1	2.8	219	0.108
P6KE170	170	153	187	1	138	1	2.5	244	0.108
P6KE170A	170	162	179	1	145	1	2.6	234	0.108
P6KE180	180	162	198	1	146	1	2.4	258	0.108
P6KE180A	180	171	189	1	154	1	2.5	246	0.108
P6KE200	200	180	220	1	162	1	2.1	287	0.108
P6KE200A	200	190	210	1	171	1	2.2	274	0.108
P6KE220	220	198	242	1	175	1	1.8	344	0.108
P6KE220A	220	209	231	1	185	1	1.9	328	0.108
P6KE250	250	225	275	1	202	1	1.7	360	0.110
P6KE250A	250	237	263	1	214	1	1.8	344	0.110
P6KE300	300	270	330	1	243	1	1.4	430	0.110
P6KE300A	300	285	315	1	256	1	1.5	414	0.110
P6KE350	350	315	385	1	284	1	1.2	504	0.110
P6KE350A	350	332	368	1	300	1	1.3	482	0.110
P6KE400	400	360	440	1	324	1	1.0	574	0.110
P6KE400A	400	380	420	1	342	1	1.1	548	0.110
P6KE440	440	396	484	1	356	1	1.0	631	0.110
P6KE440A	440	418	462	1	376	1	1.04	602	0.110

Notes:

- 1. V_{BR} measure after I_T applied for 300us, I_T =square wave pulse or equivalent.
- 2. Surge current waveform per Figure. 3 and derate per Figure. 2.
- 3. For bipolar types having V_{WM} of 10 volts and under, the I_{D} limit is doubled.
- 4. All terms and symbols are consistent with ANSI/IEEE C62.35.