



SPECIFICATION FOR APPROVAL

File No.: Q/FRK 0.GS.E.C24-A03

Product Name	Box-type Metallized Polyester Film Capacitor(Stacked version)
Product Type:	C24(CL23B Series)
Product Code	
_	
Customer	
Customer Code	
Issue Date	2010-01



Xiamen Faratronic Co. Ltd.

Add: 99 Xinyuan Road, Haicang District, Xiamen, China

Domestic business Export business

TEL: 0592-6208620 6208618 0086-592-6208586 6208608

FAX: 0592-6208777 0086-592-6208557

Mail: <u>fsc@faratronic.com.cn</u> <u>james@faratronic.com.cn</u>

michael lai@faratronic.com.cn jxh@faratronic.com.cn

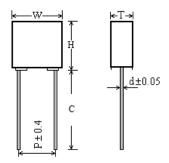
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Box-type metallized polyester film capacitor (Stacked version)

■ Outline Drawing



■ Features

- Metallized polyester film, stacked construction
- Plastic case (UL94 V-0), Epoxy resin sealing
- High dv/dt ability

■Typical Applications:

- By-passing, blocking, coupling, decoupling,
- Pulse logic, timing, oscillator circuits.
- Inverter for LCD monitors, automotive DC motor suppression

■Specifications

Reference Standard	GB 7332(IEC 60384-2)				
Climatic Category	55/105/56				
Rated temperature	85℃				
Operating temperature	-55°C~105°C (+85°C to +105°C:	decreasing factor 1.25% p	er °C for VR(de))		
Rated Voltage	50/63V, 100V, 250°	V, 400V, 500V, 630V,700V	,		
Capacitance Range	$0.0010 \mu F \sim 2.2 \mu F$				
Capacitance Tolerance	$\pm 5\%(J), \pm 10\%(K),$				
Voltage Proof	Pattern I:1.6U _R (5s)				
	Frequency	$C_R \le 0.1 \mu F$	$C_R > 0.1 \mu F$		
Dissipation Factor	1kHz	≤1.0%	≤1.0%		
	10kHz	≤1.5%	≤1.5%		
	100kHz	≤3.0%	-		
	U _R >100V	$\geq 30000M\Omega$, $C_R \leq 0.33 \mu F$ $\geq 10000s$, $C_R > 0.33 \mu F$	(20℃,100V,1min)		
Insulation Resistance	U _R ≤100V	≥15 000M Ω , C_R ≤0.33 μ F ≥5 000s, C_R >0.33 μ F	(20°C,10V,1min)		





Part number system

The 18 digits part number is formed as follow:

C24 Pattern I (High performance)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	2	4							2	0							

C24 Pattern II (Reduced size)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
С	2	4							2	S							

Digit 1 to 3 Series code of film capacitor

C24=CL23B

Digit 4 to 5 DC rated voltage

1H=50V 1J=63V 2A=100V 2E=250V

2G=400V 2H=500V 2J=630V 1V=700V

Digit 6 to 8 Rated capacitance value

For example : $103=10\times10^{3}$ pF=0.01 uF

Digit 9 Capacitance tolerance

J=±5%,K=±10%, M=±20%

Digit 10 Lead pitch

2 = 5.0

Digit 11 Internal use

S=pattern II

Digit 12 to 15 Lead form and packaging code

Digit 16 to 18 Internal use

Table 1 lead dimensions and packaging code

Tubic			una packagi	8					
Ι	Digit 12	Ι	Digit 13	Ι	Digit 14	Digit 15			
code	explanation	code	explanation	code	explanation	code	explanation		
A	ammo-pack	2	F=5.0mm	0	straight	1	each cap. among two consecutive holes P3=12.7mm,H=18.5mm (For pitch=5.0mm)		
С	straight lead "C"in the	code	explanation			0	Length tolerance ±0.5mm Or standard length		
	figure above	00	standard lead 1 (18mm~22m	_			-		
		45	lead length 4.5	mm					





■ Dimensions(mm)

Capacitor Thickness: T	≤3.5	>3.5
Dimension Tolerance (W, H, T)	±0.2	±0.4

Pattern II (Reduced size)

	50Vdc (30Vac)/63Vdc (40Vac) #											
C (µF)	W	Н	Т	P	d	产品代码						
0.15	7.2	6.5	2.5	5.0	0.5	C241J154-2S****+++						
0.18	7.2	6.5	2.5	5.0	0.5	C241J184-2S****+++						
0.22	7.2	6.5	2.5	5.0	0.5	C241J224-2S****+++						
0.27	7.2	6.5	2.5	5.0	0.5	C241J274-2S****+++						
0.33	7.2	7.5	3.5	5.0	0.5	C241J334-2S****+++						
0.39	7.2	7.5	3.5	5.0	0.5	C241J394-2S****+++						
0.47	7.2	7.5	3.5	5.0	0.5	C241J474-2S****+++						
0.56	7.2	9.5	4.5	5.0	0.6	C241J564-2S****+++						
0.68	7.2	9.5	4.5	5.0	0.6	C241J684-2S****+++						
0.82	7.2	9.5	4.5	5.0	0.6	C241J824-2S****+++						
1.0	7.2	10.0	5.0	5.0	0.6	C241J105-2S****+++						
1.5	7.2	11.0	6.0	5.0	0.6	C241J155-2S****+++						
2.2	7.2	11.0	6.0	5.0	0.6	C241J225-2S****+++						

100 Vdc (63Vac)												
C (µF)	W	Н	Т	P	d	产品代码						
0.10	7.2	6.5	2.5	5.0	0.5	C242A104-2S***+++						
0.12	7.2	6.5	2.5	5.0	0.5	C242A124-2S****+++						
0.15	7.2	7.5	3.5	5.0	0.5	C242A154-2S****+++						
0.18	7.2	7.5	3.5	5.0	0.5	C242A184-2S****+++						
0.22	7.2	7.5	3.5	5.0	0.5	C242A224-2S****+++						
0.27	7.2	9.5	4.5	5.0	0.6	C242A274-2S****+++						
0.33	7.2	9.5	4.5	5.0	0.6	C242A334-2S****+++						
0.39	7.2	9.5	4.5	5.0	0.6	C242A394-2S****+++						
0.47	7.2	10.0	5.0	5.0	0.6	C242A474-2S****+++						
0.56	7.2	10.0	5.0	5.0	0.6	C242A564-2S***+++						
0.68	7.2	11.0	6.0	5.0	0.6	C242A684-2S***+++						
0.82	7.2	11.0	6.0	5.0	0.6	C242A824-2S***+++						
1.0	7.2	11.0	6.0	5.0	0.6	C242A105-2S****+++						

	250 Vdc (140Vac)												
C (µF)	W	Н	Т	P	d	产品代码							
0.022	7.2	6.5	2.5	5.0	0.5	C242E223-2S****+++							
0.027	7.2	6.5	2.5	5.0	0.5	C242E273-2S****+++							
0.033	7.2	6.5	2.5	5.0	0.5	C242E333-2S****+++							
0.039	7.2	7.5	3.5	5.0	0.5	C242E393-2S****+++							
0.047	7.2	7.5	3.5	5.0	0.5	C242E473-2S****+++							
0.056	7.2	7.5	3.5	5.0	0.5	C242E563-2S****+++							
0.068	7.2	7.5	3.5	5.0	0.5	C242E683-2S****+++							
0.082	7.2	9.5	4.5	5.0	0.6	C242E823-2S****+++							
0.10	7.2	9.5	4.5	5.0	0.6	C242E104-2S****+++							
0.12	7.2	9.5	4.5	5.0	0.6	C242E124-2S****+++							
0.15	7.2	10.0	5.0	5.0	0.6	C242E154-2S****+++							
0.18	7.2	11.0	6.0	5.0	0.6	C242E184-2S****+++							
0.22	7.2	11.0	6.0	5.0	0.6	C242E224-2S****+++							

	400 Vdc (160Vac)												
C (µF)	W	Н	Т	P	d	产品代码							
0.0056	7.2	6.5	2.5	5.0	0.5	C242G562-2S****+++							
0.0068	7.2	6.5	2.5	5.0	0.5	C242G682-2S****+++							
0.0082	7.2	6.5	2.5	5.0	0.5	C242G822-2S****+++							
0.010	7.2	6.5	2.5	5.0	0.5	C242G103-2S****+++							
0.012	7.2	6.5	2.5	5.0	0.5	C242G123-2S****+++							
0.015	7.2	7.5	3.5	5.0	0.5	C242G153-2S****+++							
0.018	7.2	7.5	3.5	5.0	0.5	C242G183-2S****+++							
0.022	7.2	7.5	3.5	5.0	0.5	C242G223-2S****+++							
0.027	7.2	7.5	3.5	5.0	0.5	C242G273-2S****+++							
0.033	7.2	9.5	4.5	5.0	0.6	C242G333-2S****+++							
0.039	7.2	9.5	4.5	5.0	0.6	C242G393-2S****+++							
0.047	7.2	9.5	4.5	5.0	0.6	C242G473-2S****+++							
0.051	7.2	10.0	5.0	5.0	0.6	C242G513-2S****+++							
0.056	7.2	11.0	6.0	5.0	0.6	C242G563-2S****+++							
0.068	7.2	11.0	6.0	5.0	0.6	C242G683-2S****+++							
0.082	7.2	11.0	6.0	5.0	0.6	C242G823-2S****+++							
0.10	7.2	11.0	6.0	5.0	0.6	C242G104-2S***+++							

- Note: 1. "-"=capacitance tolerance code, M= $\pm 20\%$,K= $\pm 10\%$,J= $\pm 5\%$
 - 2. "****"=lead form and packing code (refer to table 1).
 - 3. "#" when the rated voltage is 50VDC, the digit $4\sim5$ is 1H.





Pattern II (Reduced size)

		50	0 Vdc	/630(2	20Vac)#
C (µF)	W	Н	Т	P	d	产品代码
0.0018	7.2	6.5	2.5	5.0	0.5	C242J182-2S****+++
0.0022	7.2	6.5	2.5	5.0	0.5	C242J222-2S****+++
0.0027	7.2	6.5	2.5	5.0	0.5	C242J272-2S****+++
0.0033	7.2	6.5	2.5	5.0	0.5	C242J332-2S****+++
0.0039	7.2	6.5	2.5	5.0	0.5	C242J392-2S****+++
0.0047	7.2	6.5	2.5	5.0	0.5	C242J472-2S****+++
0.0056	7.2	7.5	3.5	5.0	0.5	C242J562-2S****+++
0.0068	7.2	7.5	3.5	5.0	0.5	C242J682-2S****+++
0.0082	7.2	7.5	3.5	5.0	0.5	C242J822-2S****+++
0.010	7.2	7.5	3.5	5.0	0.5	C242J103-2S****+++
0.012	7.2	9.5	4.5	5.0	0.6	C242J123-2S****+++
0.015	7.2	9.5	4.5	5.0	0.6	C242J153-2S****+++
0.018	7.2	9.5	4.5	5.0	0.6	C242J183-2S****+++
0.022	7.2	10.0	5.0	5.0	0.6	C242J223-2S****+++
0.027	7.2	11.0	6.0	5.0	0.6	C242J273-2S****+++
0.033	7.2	11.0	6.0	5.0	0.6	C242J333-2S****+++

	700 Vdc (250Vac)											
C (µF)	W	Н	Т	P	d	产品代码						
0.0010	7.2	6.5	2.5	5.0	0.5	C241V102-2S****+++						
0.0012	7.2	6.5	2.5	5.0	0.5	C241V122-2S****+++						
0.0015	7.2	6.5	2.5	5.0	0.5	C241V152-2S****+++						
0.0018	7.2	6.5	2.5	5.0	0.5	C241V182-2S****+++						
0.0022	7.2	6.5	2.5	5.0	0.5	C241V222-2S****+++						
0.0027	7.2	6.5	2.5	5.0	0.5	C241V272-2S****+++						
0.0033	7.2	7.5	3.5	5.0	0.5	C241V332-2S****+++						
0.0039	7.2	7.5	3.5	5.0	0.5	C241V392-2S****+++						
0.0047	7.2	7.5	3.5	5.0	0.5	C241V472-2S****+++						
0.0056	7.2	7.5	3.5	5.0	0.5	C241V562-2S****+++						
0.0068	7.2	7.5	3.5	5.0	0.5	C241V682-2S****+++						
0.0082	7.2	9.5	4.5	5.0	0.6	C241V822-2S****+++						
0.010	7.2	9.5	4.5	5.0	0.6	C241V103-2S****+++						
0.012	7.2	9.5	4.5	5.0	0.6	C241V123-2S****+++						
0.015	7.2	10.0	5.0	5.0	0.6	C241V153-2S****+++						
0.018	7.2	10.0	5.0	5.0	0.6	C241V183-2S****+++						
0.022	7.2	11.0	6.0	5.0	0.6	C241V223-2S****+++						

Note: 1. "-"=capacitance tolerance code, M= $\pm 20\%$, K= $\pm 10\%$, J= $\pm 5\%$

- 2. "****"=lead dimensions and packing mode code (refer to table 1).
- 3. "#" when the rated voltage is 500VDC, the digit $4\sim5$ is 2H.





Pattern I (High performance)

50Vdc (30Vac)/63Vdc (40Vac) #									
C (µF)	W	Н	Т	P	d	产品代码			
0.0010	7.2	6.5	2.5	5.0	0.5	C241J102-20****+++			
0.0012	7.2	6.5	2.5	5.0	0.5	C241J122-20****+++			
0.0015	7.2	6.5	2.5	5.0	0.5	C241J152-20****+++			
0.0018	7.2	6.5	2.5	5.0	0.5	C241J182-20****+++			
0.0022	7.2	6.5	2.5	5.0	0.5	C241J222-20****+++			
0.0027	7.2	6.5	2.5	5.0	0.5	C241J272-20****+++			
0.0033	7.2	6.5	2.5	5.0	0.5	C241J332-20****+++			
0.0039	7.2	6.5	2.5	5.0	0.5	C241J392-20****+++			
0.0047	7.2	6.5	2.5	5.0	0.5	C241J472-20****+++			
0.0056	7.2	6.5	2.5	5.0	0.5	C241J562-20****+++			
0.0068	7.2	6.5	2.5	5.0	0.5	C241J682-20****+++			
0.0082	7.2	6.5	2.5	5.0	0.5	C241J822-20****+++			
0.010	7.2	6.5	2.5	5.0	0.5	C241J103-20****+++			
0.012	7.2	6.5	2.5	5.0	0.5	C241J123-20****+++			
0.015	7.2	6.5	2.5	5.0	0.5	C241J153-20****+++			
0.018	7.2	6.5	2.5	5.0	0.5	C241J183-20****+++			
0.022	7.2	6.5	2.5	5.0	0.5	C241J223-20****+++			
0.027	7.2	6.5	2.5	5.0	0.5	C241J273-20****+++			
0.033	7.2	6.5	2.5	5.0	0.5	C241J333-20****+++			
0.039	7.2	6.5	2.5	5.0	0.5	C241J393-20****+++			
0.047	7.2	6.5	2.5	5.0	0.5	C241J473-20****+++			
0.056	7.2	6.5	2.5	5.0	0.5	C241J563-20****+++			
0.068	7.2	6.5	2.5	5.0	0.5	C241J683-20****+++			
0.082	7.2	6.5	2.5	5.0	0.5	C241J823-20****+++			
0.10	7.2	6.5	2.5	5.0	0.5	C241J104-20****+++			
0.12	7.2	6.5	2.5	5.0	0.5	C241J124-20****+++			
0.15	7.2	7.5	3.5	5.0	0.5	C241J154-20****+++			
0.18	7.2	7.5	3.5	5.0	0.5	C241J184-20****+++			
0.22	7.2	7.5	3.5	5.0	0.5	C241J224-20****+++			
0.27	7.2	9.5	4.5	5.0	0.6	C241J274-20****+++			
0.33	7.2	9.5	4.5	5.0	0.6	C241J334-20***+++			
0.39	7.2	9.5	4.5	5.0	0.6	C241J394-20***+++			
0.47	7.2	10.0	5.0	5.0	0.6	C241J474-20***+++			
0.56	7.2	10.0	5.0	5.0	0.6	C241J564-20***+++			
0.68	7.2	11.0	6.0	5.0	0.6	C241J684-20***+++			
0.82	7.2	11.0	6.0	5.0	0.6	C241J824-20***+++			
1.0	7.2	11.0	6.0	5.0	0.6	C241J105-20****+++			

0.0012 7.2 6.5 2.5 5.0 0.5 C242A122-20****+++ 0.0015 7.2 6.5 2.5 5.0 0.5 C242A152-20****+++ 0.0018 7.2 6.5 2.5 5.0 0.5 C242A182-20****+++ 0.0022 7.2 6.5 2.5 5.0 0.5 C242A222-20****+++ 0.0027 7.2 6.5 2.5 5.0 0.5 C242A332-20****+++ 0.0033 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ <td< th=""><th colspan="10">100 Vdc (63Vac)</th></td<>	100 Vdc (63Vac)									
0.0012 7.2 6.5 2.5 5.0 0.5 C242A122-20****+++ 0.0015 7.2 6.5 2.5 5.0 0.5 C242A152-20****+++ 0.0018 7.2 6.5 2.5 5.0 0.5 C242A182-20****+++ 0.0022 7.2 6.5 2.5 5.0 0.5 C242A222-20****+++ 0.0027 7.2 6.5 2.5 5.0 0.5 C242A332-20****+++ 0.0033 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ <td< th=""><th>_</th><th>W</th><th>Н</th><th>Т</th><th>P</th><th>d</th><th>产品代码</th></td<>	_	W	Н	Т	P	d	产品代码			
0.0015 7.2 6.5 2.5 5.0 0.5 C242A152-20****+++ 0.0018 7.2 6.5 2.5 5.0 0.5 C242A182-20****+++ 0.0022 7.2 6.5 2.5 5.0 0.5 C242A222-20****+++ 0.0027 7.2 6.5 2.5 5.0 0.5 C242A322-20****+++ 0.0033 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0084 7.2 6.5 2.5 5.0 0.5 C242A562-20****++++ 0.0085 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ <	0.0010	7.2	6.5	2.5	5.0	0.5	C242A102-20****+++			
0.0018 7.2 6.5 2.5 5.0 0.5 C242A182-20****+++ 0.0022 7.2 6.5 2.5 5.0 0.5 C242A222-20****++++ 0.0027 7.2 6.5 2.5 5.0 0.5 C242A322-20****++++ 0.0033 7.2 6.5 2.5 5.0 0.5 C242A392-20****++++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A392-20****++++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A392-20****++++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A62-20****++++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A13-20***+++++	0.0012	7.2	6.5	2.5	5.0	0.5	C242A122-20****+++			
0.0022 7.2 6.5 2.5 5.0 0.5 C242A222-20****+++ 0.0027 7.2 6.5 2.5 5.0 0.5 C242A272-20****++++ 0.0033 7.2 6.5 2.5 5.0 0.5 C242A332-20****+++ 0.0039 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A472-20****+++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A62-20****++++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A13-20****++++ <	0.0015	7.2	6.5	2.5	5.0	0.5	C242A152-20****+++			
0.0027 7.2 6.5 2.5 5.0 0.5 C242A272-20****+++ 0.0033 7.2 6.5 2.5 5.0 0.5 C242A332-20****+++ 0.0039 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A472-20****+++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A562-20****+++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ <t< td=""><td>0.0018</td><td>7.2</td><td>6.5</td><td>2.5</td><td>5.0</td><td>0.5</td><td>C242A182-20****+++</td></t<>	0.0018	7.2	6.5	2.5	5.0	0.5	C242A182-20****+++			
0.0033 7.2 6.5 2.5 5.0 0.5 C242A332-20****+++ 0.0039 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A472-20****+++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A133-20****++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A233-20****++++ <td< td=""><td>0.0022</td><td>7.2</td><td>6.5</td><td>2.5</td><td>5.0</td><td>0.5</td><td>C242A222-20****+++</td></td<>	0.0022	7.2	6.5	2.5	5.0	0.5	C242A222-20****+++			
0.0039 7.2 6.5 2.5 5.0 0.5 C242A392-20****+++ 0.0047 7.2 6.5 2.5 5.0 0.5 C242A472-20****+++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A682-20****+++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.015 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A23-20****++++ 0.031 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++	0.0027	7.2	6.5	2.5	5.0	0.5	C242A272-20****+++			
0.0047 7.2 6.5 2.5 5.0 0.5 C242A472-20****++++ 0.0056 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.015 7.2 6.5 2.5 5.0 0.5 C242A133-20****+++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A133-20****+++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A23-20****+++++++++++++++++++++++++++++++++	0.0033	7.2	6.5	2.5	5.0	0.5	C242A332-20****+++			
0.0056 7.2 6.5 2.5 5.0 0.5 C242A562-20****++++ 0.0068 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A822-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.015 7.2 6.5 2.5 5.0 0.5 C242A153-20****++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A183-20****+++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A23-20****+++++ 0.027 7.2 6.5 2.5 5.0 0.5 C242A273-20****+++++++++++++++++++++++++++++++++	0.0039	7.2	6.5	2.5	5.0	0.5	C242A392-20****+++			
0.0068 7.2 6.5 2.5 5.0 0.5 C242A682-20****++++ 0.0082 7.2 6.5 2.5 5.0 0.5 C242A822-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.015 7.2 6.5 2.5 5.0 0.5 C242A153-20****++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A23-20****+++++ 0.027 7.2 6.5 2.5 5.0 0.5 C242A233-20****+++++ 0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****+++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A393-20****+++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A683-20****+++++	0.0047	7.2	6.5	2.5	5.0	0.5	C242A472-20****+++			
0.0082 7.2 6.5 2.5 5.0 0.5 C242A822-20****++++ 0.010 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.015 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A23-20****++++ 0.027 7.2 6.5 2.5 5.0 0.5 C242A23-20****++++ 0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A63-20****+++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A683-20****+++++ <td< td=""><td>0.0056</td><td>7.2</td><td>6.5</td><td>2.5</td><td>5.0</td><td>0.5</td><td>C242A562-20****+++</td></td<>	0.0056	7.2	6.5	2.5	5.0	0.5	C242A562-20****+++			
0.010 7.2 6.5 2.5 5.0 0.5 C242A103-20****++++ 0.012 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.015 7.2 6.5 2.5 5.0 0.5 C242A153-20****++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A23-20****++++ 0.027 7.2 6.5 2.5 5.0 0.5 C242A23-20****+++++ 0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.039 7.2 6.5 2.5 5.0 0.5 C242A393-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A63-20****+++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A63-20****+++++	0.0068	7.2	6.5	2.5	5.0	0.5	C242A682-20****+++			
0.012 7.2 6.5 2.5 5.0 0.5 C242A123-20****++++ 0.015 7.2 6.5 2.5 5.0 0.5 C242A153-20****++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A223-20****++++ 0.027 7.2 6.5 2.5 5.0 0.5 C242A233-20****++++ 0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.039 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A63-20****+++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A683-20****+++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A683-20****+++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A823-20****+++++	0.0082	7.2	6.5	2.5	5.0	0.5	C242A822-20****+++			
0.015 7.2 6.5 2.5 5.0 0.5 C242A153-20****++++ 0.018 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A23-20****++++ 0.027 7.2 6.5 2.5 5.0 0.5 C242A23-20****++++ 0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.039 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A633-20****++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A683-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A683-20****+++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A683-20****+++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A104-20****+++++ <	0.010	7.2	6.5	2.5	5.0	0.5	C242A103-20****+++			
0.018 7.2 6.5 2.5 5.0 0.5 C242A183-20****++++ 0.022 7.2 6.5 2.5 5.0 0.5 C242A223-20****++++ 0.027 7.2 6.5 2.5 5.0 0.5 C242A273-20****++++ 0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.039 7.2 6.5 2.5 5.0 0.5 C242A393-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A63-20****++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A683-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A823-20****+++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****++++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****+++++ <t< td=""><td>0.012</td><td>7.2</td><td>6.5</td><td>2.5</td><td>5.0</td><td>0.5</td><td>C242A123-20****+++</td></t<>	0.012	7.2	6.5	2.5	5.0	0.5	C242A123-20****+++			
0.022 7.2 6.5 2.5 5.0 0.5 C242A223-20****++++ 0.027 7.2 6.5 2.5 5.0 0.5 C242A273-20****++++ 0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.039 7.2 6.5 2.5 5.0 0.5 C242A393-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A63-20****++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A633-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A683-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A683-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A124-20****++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.1	0.015	7.2	6.5	2.5	5.0	0.5	C242A153-20****+++			
0.027 7.2 6.5 2.5 5.0 0.5 C242A273-20****++++ 0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****++++ 0.039 7.2 6.5 2.5 5.0 0.5 C242A393-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A63-20****++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A63-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A823-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A242-20****+++++	0.018	7.2	6.5	2.5	5.0	0.5	C242A183-20****+++			
0.033 7.2 6.5 2.5 5.0 0.5 C242A333-20****+++ 0.039 7.2 6.5 2.5 5.0 0.5 C242A393-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A63-20****++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A633-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A823-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A154-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A2424-20****++++ 0.27	0.022	7.2	6.5	2.5	5.0	0.5	C242A223-20****+++			
0.039 7.2 6.5 2.5 5.0 0.5 C242A393-20****++++ 0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A563-20****++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A683-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A823-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****+++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A24-20****+++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****+++++	0.027	7.2	6.5	2.5	5.0	0.5	C242A273-20****+++			
0.047 7.2 6.5 2.5 5.0 0.5 C242A473-20****++++ 0.056 7.2 6.5 2.5 5.0 0.5 C242A563-20****++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A683-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A823-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A154-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A24-20****++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.033	7.2	6.5	2.5	5.0	0.5	C242A333-20****+++			
0.056 7.2 6.5 2.5 5.0 0.5 C242A563-20****++++ 0.068 7.2 6.5 2.5 5.0 0.5 C242A683-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A823-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A24-20****++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.039	7.2	6.5	2.5	5.0	0.5	C242A393-20****+++			
0.068 7.2 6.5 2.5 5.0 0.5 C242A683-20****++++ 0.082 7.2 6.5 2.5 5.0 0.5 C242A823-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A154-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A224-20****++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.047	7.2	6.5	2.5	5.0	0.5	C242A473-20****+++			
0.082 7.2 6.5 2.5 5.0 0.5 C242A823-20****++++ 0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A154-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A224-20****++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.056	7.2	6.5	2.5	5.0	0.5	C242A563-20****+++			
0.10 7.2 7.5 3.5 5.0 0.5 C242A104-20****++++ 0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A154-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A224-20****++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.068	7.2	6.5	2.5	5.0	0.5	C242A683-20****+++			
0.12 7.2 9.5 4.5 5.0 0.6 C242A124-20****++++ 0.15 7.2 9.5 4.5 5.0 0.6 C242A154-20****++++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A224-20****++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.082	7.2	6.5	2.5	5.0	0.5	C242A823-20****+++			
0.15 7.2 9.5 4.5 5.0 0.6 C242A154-20****+++ 0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****+++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A224-20****++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.10	7.2	7.5	3.5	5.0	0.5	C242A104-20****+++			
0.18 7.2 9.5 4.5 5.0 0.6 C242A184-20****++++ 0.22 7.2 10.0 5.0 5.0 0.6 C242A224-20****++++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.12	7.2	9.5	4.5	5.0	0.6	C242A124-20****+++			
0.22 7.2 10.0 5.0 5.0 0.6 C242A224-20****+++ 0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.15	7.2	9.5	4.5	5.0	0.6	C242A154-20****+++			
0.27 7.2 10.0 5.0 5.0 0.6 C242A274-20****++++	0.18	7.2	9.5	4.5	5.0	0.6	C242A184-20****+++			
	0.22	7.2	10.0	5.0	5.0	0.6	C242A224-20****+++			
0.23 7.2 11.0 6.0 5.0 0.6 (2)42,4.22,4.20************************************	0.27	7.2	10.0	5.0	5.0	0.6	C242A274-20****+++			
0.55 7.2 11.0 0.0 5.0 0.0 C242A334-20****+++	0.33	7.2	11.0	6.0	5.0	0.6	C242A334-20****+++			
0.39 7.2 11.0 6.0 5.0 0.6 C242A394-20****+++	0.39	7.2	11.0	6.0	5.0	0.6	C242A394-20****+++			
0.47 7.2 11.0 6.0 5.0 0.6 C242A474-20****+++	0.47	7.2	11.0	6.0	5.0	0.6	C242A474-20****+++			
0.56 7.2 11.0 6.0 5.0 0.6 C242A564-20****+++	0.56	7.2	11.0	6.0	5.0	0.6	C242A564-20****+++			

Note: 1. "-"=capacitance tolerance code, M= $\pm 20\%$,K= $\pm 10\%$,J= $\pm 5\%$

3. "#" when the rated voltage is 50VDC, the digit 4~5 is 1H.

^{2. &}quot;****"=lead form and packing code (refer to table 1).





Pattern I (High performance)

250 Vdc (160Vac)									
C (µF)	W	Н	Т	P	d	产品代码			
0.0010	7.2	6.5	2.5	5.0	0.5	C242E102-20****+++			
0.0012	7.2	6.5	2.5	5.0	0.5	C242E122-20****+++			
0.0015	7.2	6.5	2.5	5.0	0.5	C242E152-20****+++			
0.0018	7.2	6.5	2.5	5.0	0.5	C242E182-20****+++			
0.0022	7.2	6.5	2.5	5.0	0.5	C242E222-20****+++			
0.0027	7.2	6.5	2.5	5.0	0.5	C242E272-20****+++			
0.0033	7.2	6.5	2.5	5.0	0.5	C242E332-20****+++			
0.0039	7.2	6.5	2.5	5.0	0.5	C242E392-20****+++			
0.0047	7.2	6.5	2.5	5.0	0.5	C242E472-20****+++			
0.0056	7.2	6.5	2.5	5.0	0.5	C242E562-20****+++			
0.0068	7.2	6.5	2.5	5.0	0.5	C242E682-20****+++			
0.0082	7.2	6.5	2.5	5.0	0.5	C242E822-20****+++			
0.010	7.2	6.5	2.5	5.0	0.5	C242E103-20****+++			
0.012	7.2	6.5	2.5	5.0	0.5	C242E123-20****+++			
0.015	7.2	6.5	2.5	5.0	0.5	C242E153-20****+++			
0.018	7.2	6.5	2.5	5.0	0.5	C242E183-20****+++			
0.022	7.2	7.5	3.5	5.0	0.5	C242E223-20****+++			
0.027	7.2	7.5	3.5	5.0	0.5	C242E273-20****+++			
0.033	7.2	7.5	3.5	5.0	0.5	C242E333-20****+++			
0.039	7.2	7.5	3.5	5.0	0.5	C242E393-20****+++			
0.047	7.2	9.5	4.5	5.0	0.6	C242E473-20****+++			
0.056	7.2	9.5	4.5	5.0	0.6	C242E563-20****+++			
0.068	7.2	9.5	4.5	5.0	0.6	C242E683-20****+++			
0.082	7.2	10.0	5.0	5.0	0.6	C242E823-20****+++			
0.10	7.2	10.0	5.0	5.0	0.6	C242E104-20****+++			
0.12	7.2	11.0	6.0	5.0	0.6	C242E124-20****+++			
0.15	7.2	11.0	6.0	5.0	0.6	C242E154-20****+++			

400 Vdc (200Vac)										
C (μF)	W	Н	Т	P	d	产品代码				
0.0010	7.2	6.5	2.5	5.0	0.5	C242G102-20****+++				
0.0012	7.2	6.5	2.5	5.0	0.5	C242G122-20****+++				
0.0015	7.2	6.5	2.5	5.0	0.5	C242G152-20****+++				
0.0018	7.2	6.5	2.5	5.0	0.5	C242G182-20****+++				
0.0022	7.2	6.5	2.5	5.0	0.5	C242G222-20****+++				
0.0027	7.2	6.5	2.5	5.0	0.5	C242G272-20****+++				
0.0033	7.2	6.5	2.5	5.0	0.5	C242G332-20****+++				
0.0039	7.2	6.5	2.5	5.0	0.5	C242G392-20****+++				
0.0047	7.2	6.5	2.5	5.0	0.5	C242G472-20****+++				
0.0056	7.2	7.5	3.5	5.0	0.5	C242G562-20****+++				
0.0068	7.2	7.5	3.5	5.0	0.5	C242G682-20****+++				
0.0082	7.2	7.5	3.5	5.0	0.5	C242G822-20****+++				
0.010	7.2	7.5	3.5	5.0	0.5	C242G103-20****+++				
0.012	7.2	9.5	4.5	5.0	0.6	C242G123-20****+++				
0.015	7.2	9.5	4.5	5.0	0.6	C242G153-20****+++				
0.018	7.2	9.5	4.5	5.0	0.6	C242G183-20****+++				
0.022	7.2	10.0	5.0	5.0	0.6	C242G223-20***+++				
0.027	7.2	11.0	6.0	5.0	0.6	C242G273-20****+++				
0.033	7.2	11.0	6.0	5.0	0.6	C242G333-20****+++				
0.039	7.2	11.0	6.0	5.0	0.6	C242G393-20****+++				
0.047	7.2	11.0	6.0	5.0	0.6	C242G473-20****+++				

Note: 1. "-"=capacitance tolerance code, M= $\pm 20\%$,K= $\pm 10\%$,J= $\pm 5\%$

2. "****"=lead form and packing code (refer to table 1).





Pattern I (High performance)

500 Vdc (220Vac)										
C (µF)	W	Н	Т	P	d	产品代码				
0.0010	7.2	6.5	2.5	5.0	0.5	C242H102-20****+++				
0.0012	7.2	6.5	2.5	5.0	0.5	C242H122-20****+++				
0.0015	7.2	6.5	2.5	5.0	0.5	C242H152-20****+++				
0.0018	7.2	6.5	2.5	5.0	0.5	C242H182-20****+++				
0.0022	7.2	6.5	2.5	5.0	0.5	C242H222-20****+++				
0.0027	7.2	6.5	2.5	5.0	0.5	C242H272-20****+++				
0.0033	7.2	7.5	3.5	5.0	0.5	C242H332-20****+++				
0.0039	7.2	7.5	3.5	5.0	0.5	C242H392-20****+++				
0.0047	7.2	7.5	3.5	5.0	0.5	C242H472-20****+++				
0.0056	7.2	7.5	3.5	5.0	0.5	C242H562-20****+++				
0.0068	7.2	9.5	4.5	5.0	0.6	C242H682-20****+++				
0.0082	7.2	9.5	4.5	5.0	0.6	C242H822-20****+++				
0.010	7.2	9.5	4.5	5.0	0.6	C242H103-20****+++				
0.012	7.2	9.5	4.5	5.0	0.6	C242H123-20****+++				
0.015	7.2	10.0	5.0	5.0	0.6	C242H153-20****+++				
0.018	7.2	11.0	6.0	5.0	0.6	C242H183-20****+++				
0.022	7.2	11.0	6.0	5.0	0.6	C242H223-20****+++				
0.027	7.2	11.0	6.0	5.0	0.6	C242H273-20****+++				

	630 Vdc (220Vac)										
C (µF)	W	Н	Т	P	d	产品代码					
0.0010	7.2	6.5	2.5	5.0	0.5	C242J102-20****+++					
0.0012	7.2	6.5	2.5	5.0	0.5	C242J122-20****+++					
0.0015	7.2	6.5	2.5	5.0	0.5	C242J152-20****+++					
0.0018	7.2	7.5	3.5	5.0	0.5	C242J182-20****+++					
0.0022	7.2	7.5	3.5	5.0	0.5	C242J222-20****+++					
0.0027	7.2	7.5	3.5	5.0	0.5	C242J272-20****+++					
0.0033	7.2	7.5	3.5	5.0	0.5	C242J332-20****+++					
0.0039	7.2	7.5	3.5	5.0	0.5	C242J392-20****+++					
0.0047	7.2	9.5	4.5	5.0	0.6	C242J472-20****+++					
0.0056	7.2	9.5	4.5	5.0	0.6	C242J562-20****+++					
0.0068	7.2	9.5	4.5	5.0	0.6	C242J682-20****+++					
0.0082	7.2	9.5	4.5	5.0	0.6	C242J822-20****+++					
0.010	7.2	10.0	5.0	5.0	0.6	C242J103-20****+++					
0.012	7.2	11.0	6.0	5.0	0.6	C242J123-20****+++					
0.015	7.2	11.0	6.0	5.0	0.6	C242J153-20****+++					
0.018	7.2	11.0	6.0	5.0	0.6	C242J183-20****+++					

Note: 1. "-"=capacitance tolerance code, M= $\pm 20\%$,K= $\pm 10\%$,J= $\pm 5\%$

2. "****"=lead form and packing code (refer to table 1).





Maximum permissible voltage change per unit of time

Pattern

Rated Voltage (V)	Max dv/dt(V/us)
50/63	250
100	300
250	400
400	600
500	700
630	800

Pattern II

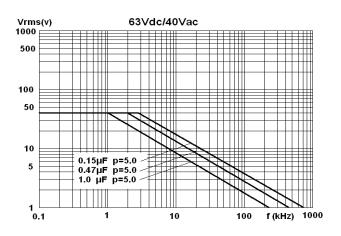
Rated Voltage (V)	Max dv/dt(V/us)
50/63	75
100	85
250	100
400	150
500/630	200
700	250

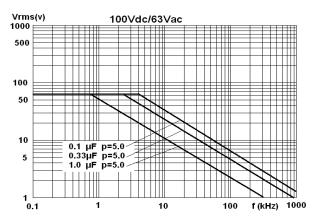
Note:

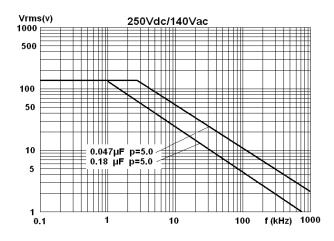
- 1. Rated voltage pulse slope $(dv/dt)_R$ at rated voltage.
- 2. If the working voltage(U) is lower than the rated voltage(U_R), the capacitor can be worked at a higher dv/dt. In this case, the maximum allowed dv/dt is obtain by multiplying the right value with U_R/U .

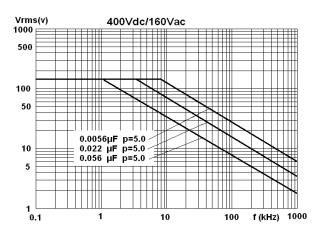


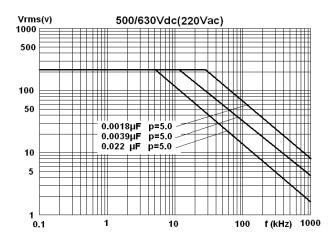
MAX. VOLTAGE(Vr.m.s) VERSUS FREQUENCY Pattern II (Reduced sized)

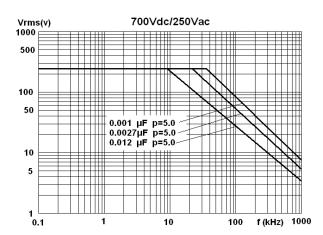








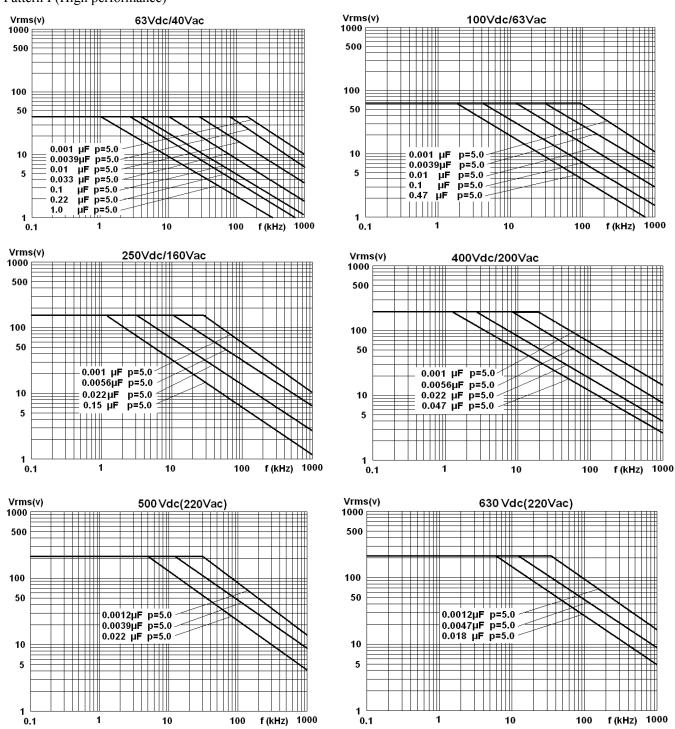




Note: sinusoidal wave-form, environment temperature ≤75°C,internal temperature rise △T=10°C, p (pitch) in mm..



MAX. VOLTAGE(Vr.m.s) VERSUS FREQUENCY Pattern I (High performance)



Note: sinusoidal wave-form, environment temperature $\leq 75^{\circ}$ C, internal temperature rise $\triangle T=10^{\circ}$ C, p (pitch) in mm..



2 Test Method And Performance

No.	I	tem	Performance	Test method (IEC60384-2)
1	Capacitan tolerance	ice	J(±5%), K(±10%), M(±20%)	1kHz, 3%U _R (Vrms)max.
2	Tangent o loss angle		tgδ≤0.010(1kHz) tgδ≤0.015(10kHz) tgδ≤0.030(100kHz, C<0.1μF)	1KHz or 10 KHz or 100 KHz ≤3%U _R (Vrms) or 1 Vrms(whichever is the minor)
3	Dielectric	strength	There shall be no breakdown or flashover.	Type I: 1.6U _R , 5s Type II: 1.4U _R , 5s
4	Insulation	n resistance	$\begin{array}{cccc} U_R{\leq}100V & C_R{\leq}0.33\mu\text{F}, & \geq& 15000M\Omega \\ C_R{>}0.33\mu\text{F}, & \geq& 5000s \\ U_R{>}100V & C_R{\leq}0.33\mu\text{F}, & \geq& 30000M\Omega \\ C_R{>}0.33\mu\text{F}, & \geq& 10000s \\ \end{array}$	U _R ≤100V, Charging voltage 10V U _R >100V, Charging voltage 100V 20°C, measuring after applying voltage for 1 minute
5	Solde	erability	Good quality of tinning	Solder temperature:245°C±5°C Immersion time: 2.0s±0.5s
	Initial m	easurement	Capacitance, Tgδ(10kHz)	
6		rminal rength	There shall be no visible damage	Tension Ua1: Pull: \(\phi d = 0.5 \text{mm,5N}; \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Resistance	to solder he at	There shall be no visible damage	Solder temperature:260°C±5°C Immersion time: 10s±1s
	Final m	easurement	$\Delta C/C \le \pm 2\%$ (relative to the initial value) Increase of $tg\delta \le 0.003(10 \text{kHz})$	
7		nt's resistance solvents	The dimensions shall reach the requirement of Table 1, and the change of capacitor weight shall not beyond 1%.	Solvent: Industrial isopropanol. Solvent temperature:23°C±5°C Immersion time:5min±0.5min Reverting time:48h
	Initial m	easurement	Capacitance, Tgδ(10kHz)	
	_	nge of tempe	There shall be no evidence of deterioration.	θ_A =-55°C, θ_B =+100°C 5 cycles, Duration: t=30min
8	Vib	oration	There shall be no evidence of deterioration.	98m/s ² (whichever is the smaller severity), f: 10Hz to 500Hz.Three directions, 2h foreach direction, total 6h.
	В	Sump	There shall be no evidence of deterioration.	4 000 times, Acceleration: 390m/s ² ,Pulse duration, 6ms
	Final m	easurement	ΔC/C ≤±5%(relative to the initial value) Increase of tgδ: ≤0.003 (10kHz) IR: ≥ 50% of the rated value	
	climate	Initial	Capacitance、Tgδ(10kHz)	
9	sequence	measurement		
	sequence :	Dry heat		+100℃,16h





No.	Item		Performance	Test method (IEC60384-2)		
110.			T CITOT Mance			
		Damp heat, Cyclic		Test Db, Severity: b, the first cycle		
		Cold		-55°C, 2h		
	climate sequence	Low air pressure	There shall be no permanent break d own, flashover or other harmful deformation when applying U_R at the last 1 minute.	15°C~35°C,8.5kPa, 1h,		
9	(continu e)	Damp heat, cyclic other		Test Db, Severity b, the other cycles, Applying U_R for 1 minute after the test finished.		
		Final measu rement	There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \leq \pm 5\% (\text{relative to the initial value})$ Increase of $tg\delta$: $\leq 0.005(10\text{kHz})$ IR: $\geq 50\%$ of the rated value			
10	Damp heat steady state		There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \le \pm 5\%$ (relative to the initial value) Increase of $tg\delta \le 0.005(10 \text{kHz})$ IR: $\ge 50\%$ of the rated value	Temperature:40°C ±2°C Humidity: 93 +2/3 %RH Duration: 56 days		
11	Endurance		There shall be no evidence of deterioration and the marking shall be legible. $\Delta C/C \leq \pm 5\% (\text{relative to the initial value})$ Increase of $tg\delta$: $\leq 0.003 \ (10 \text{kHz})$ IR: $\geq 50\%$ of the rated value	Temperature: $+85^{\circ}\text{C}/+100^{\circ}\text{C}$ Voltage: $1.25\times$ U _R $/1.25\times$ Uc (Uc=0.8U _R) Duration: 2 000h		
12	Temperature characteristic		IR: $\geq 50\%$ of the rated value Measuring capacitance at test point b, d, f: Characteristic at lower category temperature -55° C: $-10\% \leq (C_b - C_d)/C_d \leq 0\%$ Characteristic at upper category temperature $+105^{\circ}$ C: $0\% \leq (C_f - C_d)/C_d \leq +10\%$ Temperature IR (test at point f):		d, f: Characteristic at lower category temperature -55°C: $-10\% \leq (C_b - C_d)/C_d \leq 0\%$ Characteristic at upper category temperature +105°C: $0\% \leq (C_f - C_d)/C_d \leq +10\%$ I.R. (test at point f): $U_R \leq 100V: \geq 75M\Omega \ (C \leq 0.33\mu F)$ $\geq 25s \ (C > 0.33\mu F)$ $U_R > 100V: \geq 150M\Omega \ (C \leq 0.33\mu F)$	Static method:The Capacitors should be kept at the following temperature in turn: a(20±2) °C, b(-55±3) °C, d(20±2) °C, f(+105±2) °C, g(20±2) °C

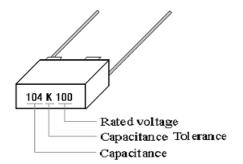


CL 23R Series

No.	Item	Performance	Test method (IEC60384-2)
13	Charging and discharging	Δ C/C ≤±5%(relative to the initial value) Increase of tg δ : ≤0.003 (10kHz, C≤1.0 μ F) ≤0.002 (1kHz, C>1.0 μ F) IR: ≥ 50% of the rated value	Times: 10 000 Duration of charging: 0.5s Duration of discharging: 0.5s Charging voltage: rated voltage Charging resistance: $220/C_R(\Omega)$ Discharging resistance: $R=10/C_R(\Omega)$ or 20Ω (whichever is the greater) C_R : rated capacitance (μ F)

Note: Please test it follow the serial number.

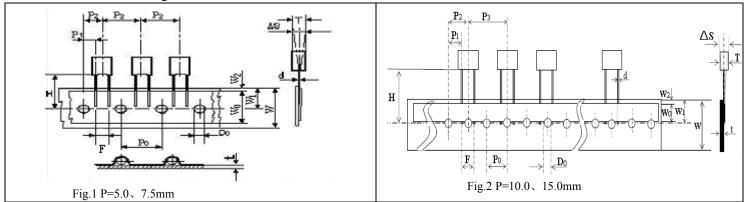
3 Marking





4 Taping specification for box-type capacitor

■Outline Drawing



■ Taping Dimensions(mm)

Technology index	Code	Dimensions						
title	Code	P=5.0	P=7.5	P=10.0	P=15.0	Tolerance		
Taping type	_	Fig 1	Fig 1	Fig2	Fig 2			
Part number Digit12-15	Ammo- pack	A201	A301	A405	A605			
Taping pitch	P_3	12.7	12.7	25.4	25.4	±1.0		
Feed hole pitch	P_0	12.7	12.7	12.7	12.7	±0.2		
Center of wire	P_1	3.85	2.6	7.7	5.2	±0.7		
Center of body	P_2	6.35	6.35	12.7	12.7	±1.3		
Pitch of taping wire	F**	5.0	7.5	10.0	15.0	+0.6 -0.1		
Component alignment	$\triangle S$	0	0	0	0	±2.0		
Height of component from tape center	H***	18.5	18.5	18.5	18.5	±0.5		
Carrier tape width	W	18.0	18.0	18.0	18.0	+1.0 -0.5		
Hold down tape width	W_0	6min	12min	12min	12min			
Hole position	W_1	9.0	9.0	9.0	9.0	±0.5		
Hold down tape sition	W_2	1.5max	1.5max	1.5max	1.5max			
Feed hole dia.	D_0	4.0	4.0	4.0	4.0	±0.2		
Tape thickness	t	0.7	0.7	0.7	0.9	±0.2		

■ Packing Quantity

Pitch (mm)	Box thinkness T(mm)	Ammo-pack (pcs/box)	
		Domestic	Export
5.0	3.5	1 700	1 500
	4.5	1 400	1 300
	5.0	1 200	1 000
	6.0	1 000	800
7.5	3.5	1 700	1 500
	4.0	1 500	1 300
	5.0	1 200	1 000
	6.0	1 000	800
10.0/ 15.0	4.0	750	650
	5.0	600	500
	6.0	500	450
15.0	7.5	400	350
	8.5	350	300
	10.0	300	250
	11.0	250	200

Note: * P_0 =15mm is also available;

**F can be other lead spacing;

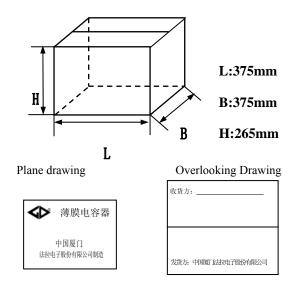
***H=16.5mm is available;



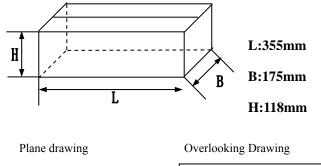


5 Packing in bulk

5. 1Out packing box for bulk

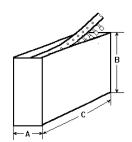


5. 2 Inner packing box for bulk





5.3 Box size forAmmo-pack



 $A=48\pm3$; $B=260\pm3$; $C=330\pm3$