



*Holy Stone Enterprise Co., Ltd.*

# CERAMIC CAPACITOR CATALOG

## **HVC Series**

**Commerical grade**

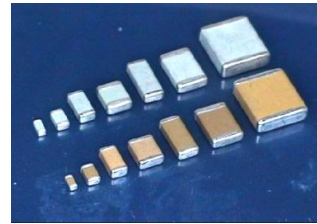
**High Voltage**

**1000V and Over**

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# Multilayer Ceramic Chip Capacitors [ High Voltage NP0 and X7R Capacitors ] HVC Series



Holy Stone high voltage products are designed and manufactured to meet the general requirements of international standards. The product offering is well suited for commercial and industrial applications and includes NP0 (C0G) and X7R characteristics in sizes 0603 to 2225 and with working voltages up to 8KV.

◆ **Features**

- ❑ Special internal electrode design offers the highest voltage rating
- ❑ Surface mount suitable for wave and reflow soldering
- ❑ High reliability
- ❑ RoHS compliant

◆ **Applications**

- ❑ Suitable for LAN/WLAN interface, Back-Lighting Inverter, DC-DC Converters, Ballast, Modems and Power Supplies.

◆ **Summary of Specifications**

Operation Temperature	-55 °C ~ +125 °C
Rated Voltage	1000 Vdc to 8000 Vdc
Temperature Coefficient	NP0 : ± 30ppm/ °C , -55 °C ~ +125 °C (EIA Class I )
	X7R : ± 15% , -55 °C ~ +125 °C (EIA Class II )
Dissipation Factor	NP0 : Q ≥ 1000 , X7R : D.F. ≤ 2.5%
Insulation Resistance	10GΩ or 500/CΩ whichever is smaller
Aging	NP0 : 0% , X7R : Typically 2.5% per decade of time
Dielectric Strength	100V ≤ V < 500V : 200% Rated Voltage
	500V ≤ V < 1000V : 150% Rated Voltage
	1000V ≤ V : 120% Rated Voltage

◆ **How To Order**



Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging	Special Requirement
C: MLCC (Multilayer Ceramic Chip of Capacitor)	Ex.: 0603 0805 1206 1210 1808 1812 1825 2220 2225	Ex.: N: NP0 X: X7R	Ex.: 2R0:2.0pF 100:10x100 471:47x101 102:10x102	Ex.: C: +/-0.25pF D: +/-0.50pF J : +/- 5% K : +/-10% M: +/-20%	Ex.: 101: 100Vdc 251: 250Vdc 501: 500Vdc 631: 630Vdc 102: 1000Vdc 202: 2000Vdc 302: 3000Vdc 402: 4000Vdc 502: 5000Vdc 802: 8000Vdc	T: T/R 7" R: T/R 13" B: Bulk	Ex.: O: Arc Prevention Coating X: Polymer Termination (Super Term)







Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 1KV	Rated Voltage 2KV	Rated Voltage 2.5KV
2R0 (2pF)	1206	D/1.25±0.2mm	J		C1206N2R0J202T	
	1808	D/1.25±0.2mm	J	C1808N2R0J102T	C1808N2R0J202T	
3R3 (3.3pF)	1206	D/1.25±0.2mm	J		C1206N3R3J202T	
	1808	D/1.25±0.2mm	J	C1808N3R3J102T	C1808N3R3J202T	
3R9 (3.9pF)	1206	D/1.25±0.2mm	J		C1206N3R9J202T	
	1808	D/1.25±0.2mm	J	C1808N3R9J102T	C1808N3R9J202T	
5R0 (5pF)	1206	C/1.0 +0.1mm -0.05mm	J	C1206N5R0J102T		
	1206	D/1.25±0.2mm	J		C1206N5R0J202T	
	1808	D/1.25±0.2mm	J	C1808N5R0J102T	C1808N5R0J202T	
8R2 (8.2pF)	1206	D/1.25±0.2mm	J		C1206N8R2J202T	
	1808	D/1.25±0.2mm	J	C1808N8R2J102T	C1808N8R2J202T	
100 (10pF)	0805	B/0.85±0.15mm	J	C0805N100J102T		
	1206	C/1.0 +0.1mm -0.05mm	J	C1206N100J102T		
	1206	D/1.25±0.2mm	J	C1206N100J102T	C1206N100J202T	
	1210	D/1.25±0.2mm	J	C1210N100J102T		
	1808	D/1.25±0.2mm	J	C1808N100J102T	C1808N100J202T	
120 (12pF)	0805	B/0.85±0.15mm	J	C0805N120J102T		
	1206	C/1.0 +0.1mm -0.05mm	J	C1206N120J102T		
	1206	D/1.25±0.2mm	J		C1206N120J202T	
	1210	D/1.25±0.2mm	J	C1210N120J102T		
	1808	D/1.25±0.2mm	J	C1808N120J102T	C1808N120J202T	
150 (15pF)	0805	B/0.85±0.15mm	J	C0805N150J102T		
	1206	C/1.0 +0.1mm -0.05mm	J	C1206N150J102T		
	1206	D/1.25±0.2mm	J	C1206N150J102T	C1206N150J202T	
	1210	D/1.25±0.2mm	J	C1210N150J102T		
	1808	D/1.25±0.2mm	J	C1808N150J102T	C1808N150J202T	
180 (18pF)	0805	B/0.85±0.15mm	J	C0805N180J102T		
	1206	B/0.85±0.15mm	J	C1206N180J102T		
	1206	D/1.25±0.2mm	J	C1206N180J102T	C1206N180J202T	
	1210	D/1.25±0.2mm	J	C1210N180J102T		
	1808	D/1.25±0.2mm	J	C1808N180J102T	C1808N180J202T	
220 (22pF)	0805	B/0.85±0.15mm	J	C0805N220J102T		
	1206	B/0.85±0.15mm	J	C1206N220J102T		
	1206	C/1.0 +0.1mm -0.05mm	J	C1206N220J102T		
	1206	D/1.25±0.2mm	J	C1206N220J102T	C1206N220J202T	
	1210	D/1.25±0.2mm	J	C1210N220J102T		
	1808	D/1.25±0.2mm	J	C1808N220J102T	C1808N220J202T	
270 (27pF)	1812	D/1.25±0.2mm	J	C1812N220J102T		
	0805	B/0.85±0.15mm	J	C0805N270J102T		
	1206	B/0.85±0.15mm	J	C1206N270J102T		
	1206	D/1.25±0.2mm	J	C1206N270J102T	C1206N270J202T	
	1210	D/1.25±0.2mm	J	C1210N270J102T		
	1808	D/1.25±0.2mm	J	C1808N270J102T	C1808N270J202T	

Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 1KV	Rated Voltage 2KV	Rated Voltage 2.5KV
330 (33pF)	0805	B/0.85±0.15mm	J	C0805N330J102T		
	1206	B/0.85±0.15mm	J	C1206N330J102T		
	1206	C/1.0 +0.1mm -0.05mm	J	C1206N330J102T		
	1206	D/1.25±0.2mm	J	C1206N330J102T	C1206N330J202T	
	1210	D/1.25±0.2mm	J	C1210N330J102T		
	1808	D/1.25±0.2mm	J	C1808N330J102T	C1808N330J202T	
	1812	D/1.25±0.2mm	J	C1812N330J102T		
390 (39pF)	0805	B/0.85±0.15mm	J	C0805N390J102T		
	1206	B/0.85±0.15mm	J	C1206N390J102T		
	1206	D/1.25±0.2mm	J	C1206N390J102T	C1206N390J202T	
	1210	D/1.25±0.2mm	J	C1210N390J102T		
	1808	D/1.25±0.2mm	J	C1808N390J102T	C1808N390J202T	
470 (47pF)	1812	D/1.25±0.2mm	J	C1812N390J102T		
	0805	B/0.85±0.15mm	J	C0805N470J102T		
	1206	B/0.85±0.15mm	J	C1206N470J102T		
	1206	D/1.25±0.2mm	J	C1206N470J102T	C1206N470J202T	C1206N470J252T
	1210	D/1.25±0.2mm	J	C1210N470J102T		
560 (56pF)	1808	D/1.25±0.2mm	J	C1808N470J102T	C1808N470J202T	
	1812	D/1.25±0.2mm	J	C1812N470J102T		
	0805	C/1.0 +0.1mm -0.05mm	J	C0805N560J102T		
	1206	B/0.85±0.15mm	J	C1206N560J102T		
	1206	D/1.25±0.2mm	J	C1206N560J102T	C1206N560J202T	
680 (68pF)	1210	D/1.25±0.2mm	J	C1210N560J102T		
	1808	D/1.25±0.2mm	J	C1808N560J102T	C1808N560J202T	
	0805	C/1.0 +0.1mm -0.05mm	J	C0805N680J102T		
	1206	B/0.85±0.15mm	J	C1206N680J102T		
	1206	C/1.0 +0.1mm -0.05mm	J	C1206N680J102T		
	1206	D/1.25±0.2mm	J	C1206N680J102T	C1206N680J202T	
	1210	D/1.25±0.2mm	J	C1210N680J102T		
820 (82pF)	1808	D/1.25±0.2mm	J	C1808N680J102T	C1808N680J202T	
	1812	D/1.25±0.2mm	J	C1812N680J102T	C1812N680J202T	
	0805	C/1.0 +0.1mm -0.05mm	J	C0805N820J102T		
	1206	B/0.85±0.15mm	J	C1206N820J102T		
	1206	D/1.25±0.2mm	J	C1206N820J102T	C1206N820J202T	
101 (100pF)	1210	D/1.25±0.2mm	J	C1210N820J102T		
	1808	D/1.25±0.2mm	J	C1808N820J102T	C1808N820J202T	
	1812	D/1.25±0.2mm	J	C1812N820J102T	C1812N820J202T	
	0805	C/1.0 +0.1mm -0.05mm	J	C0805N101J102T		
	1206	B/0.85±0.15mm	J	C1206N101J102T		
	1206	D/1.25±0.2mm	J	C1206N101J102T	C1206N101J202T	
101 (100pF)	1210	D/1.25±0.2mm	J	C1210N101J102T		
	1808	D/1.25±0.2mm	J	C1808N101J102T	C1808N101J202T	
	1812	D/1.25±0.2mm	J	C1812N101J102T	C1812N101J202T	
	1812	F/2.0±0.2mm	J		C1812N101J202T	

Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 1KV	Rated Voltage 2KV	Rated Voltage 2.5KV
121 (120pF)	0805	D/1.25±0.2mm	J	C0805N121J102T		
	1206	B/0.85±0.15mm	J	C1206N121J102T		
	1206	D/1.25±0.2mm	J	C1206N121J102T	C1206N121J202T	
	1210	D/1.25±0.2mm	J	C1210N121J102T		
	1808	E/1.6±0.2mm	J	C1808N121J102T	C1808N121J202T	
	1812	D/1.25±0.2mm	J	C1812N121J102T	C1812N121J202T	
151 (150pF)	0805	D/1.25±0.2mm	J	C0805N151J102T		
	1206	B/0.85±0.15mm	J	C1206N151J102T		
	1206	D/1.25±0.2mm	J		C1206N151J202T	
	1206	E/1.6±0.2mm	J	C1206N151J102T	C1206N151J202T	
	1210	D/1.25±0.2mm	J	C1210N151J102T		
	1808	E/1.6±0.2mm	J	C1808N151J102T	C1808N151J202T	
	1812	D/1.25±0.2mm	J	C1812N151J102T	C1812N151J202T	
181 (180pF)	1812	F/2.0±0.2mm	J	C1812N151J102T	C1812N151J202T	
	0805	D/1.25±0.2mm	J	C0805N181J102T		
	1206	B/0.85±0.15mm	J	C1206N181J102T		
	1206	D/1.25±0.2mm	J		C1206N181J202T	
	1206	E/1.6±0.2mm	J	C1206N181J102T	C1206N181J202T	
	1210	D/1.25±0.2mm	J	C1210N181J102T		
	1808	E/1.6±0.2mm	J	C1808N181J102T		
221 (220pF)	1808	F/2.0±0.2mm	J	C1808N181J102T	C1808N181J202T	
	1812	D/1.25±0.2mm	J	C1812N181J102T	C1812N181J202T	
	1206	B/0.85±0.15mm	J	C1206N221J102T		
	1206	C/1.0 +0.1mm -0.05mm	J	C1206N221J102T		
	1206	D/1.25±0.2mm	J		C1206N221J202T	
	1206	E/1.6±0.2mm	J	C1206N221J102T	C1206N221J202T	
	1210	D/1.25±0.2mm	J	C1210N221J102T		
271 (270pF)	1808	E/1.6±0.2mm	J	C1808N221J102T		
	1808	F/2.0±0.2mm	J		C1808N221J202T	
	1812	D/1.25±0.2mm	J	C1812N221J102T	C1812N221J202T	
	1206	B/0.85±0.15mm	J	C1206N271J102T		
	1206	D/1.25±0.2mm	J	C1206N271J102T	C1206N271J202T	
	1206	E/1.6±0.2mm	J	C1206N271J102T	C1206N271J202T	
	1210	D/1.25±0.2mm	J	C1210N271J102T		
271 (270pF)	1808	E/1.6±0.2mm	J	C1808N271J102T		
	1808	F/2.0±0.2mm	J		C1808N271J202T	
	1812	D/1.25±0.2mm	J	C1812N271J102T		
	1812	E/1.6±0.2mm	J		C1812N271J202T	



Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 1KV	Rated Voltage 2KV	Rated Voltage 2.5KV
331 (330pF)	1206	C/1.0 +0.1mm -0.05mm	J	C1206N331J102T		
	1206	E/1.6±0.2mm	J	C1206N331J102T	C1206N331J202T	
	1210	D/1.25±0.2mm	J	C1210N331J102T		
	1210	E/1.6±0.2mm	J	C1210N331J102T		
	1808	E/1.6±0.2mm	J	C1808N331J102T		
	1808	F/2.0±0.2mm	J		C1808N331J202T	
	1812	D/1.25±0.2mm	J	C1812N331J102T		
	1812	E/1.6±0.2mm	J		C1812N331J202T	
391 (390pF)	1206	D/1.25±0.2mm	J	C1206N391J102T		
	1206	E/1.6±0.2mm	J		C1206N391J202T	
	1210	D/1.25±0.2mm	J	C1210N391J102T		
	1808	E/1.6±0.2mm	J	C1808N391J102T		
	1808	F/2.0±0.2mm	J		C1808N391J202T	
	1812	D/1.25±0.2mm	J	C1812N391J102T		
471 (470pF)	1812	E/1.6±0.2mm	J		C1812N391J202T	
	2220	D/1.25±0.2mm	J	C2220N391J102T		
	1206	D/1.25±0.2mm	J	C1206N471J102T		
	1206	E/1.6±0.2mm	J	C1206N471J102T		
	1210	D/1.25±0.2mm	J	C1210N471J102T		
	1210	E/1.6±0.2mm	J	C1210N471J102T		
	1808	E/1.6±0.2mm	J	C1808N471J102T		
	1808	F/2.0±0.2mm	J		C1808N471J202T	
561 (560pF)	1812	D/1.25±0.2mm	J	C1812N471J102T		
	1812	E/1.6±0.2mm	J		C1812N471J202T	
	1812	F/2.0±0.2mm	J	C1812N471J102T	C1812N471J202T	
	1206	D/1.25±0.2mm	J	C1206N561J102T		
	1210	D/1.25±0.2mm	J	C1210N561J102T		
	1210	E/1.6±0.2mm	J	C1210N561J102T		
	1808	E/1.6±0.2mm	J	C1808N561J102T		
	1808	F/2.0±0.2mm	J		C1808N561J202T	
681 (680pF)	1812	D/1.25±0.2mm	J	C1812N561J102T		
	1812	F/2.0±0.2mm	J		C1812N561J202T	
	1206	D/1.25±0.2mm	J	C1206N681J102T		
	1206	E/1.6±0.2mm	J	C1206N681J102T		
	1210	D/1.25±0.2mm	J	C1210N681J102T		
	1808	E/1.6±0.2mm	J	C1808N681J102T		
681 (680pF)	1808	F/2.0±0.2mm	J		C1808N681J202T	
	1812	D/1.25±0.2mm	J	C1812N681J102T		
681 (680pF)	1812	F/2.0±0.2mm	J		C1812N681J202T	

Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 1KV	Rated Voltage 2KV	Rated Voltage 2.5KV
821 (820pF)	1206	E/1.6±0.2mm	J	C1206N821J102T		
	1210	D/1.25±0.2mm	J	C1210N821J102T		
	1808	E/1.6±0.2mm	J	C1808N821J102T		
	1808	F/2.0±0.2mm	J		C1808N821J202T	
	1812	D/1.25±0.2mm	J	C1812N821J102T		
	1812	F/2.0±0.2mm	J		C1812N821J202T	
	2220	D/1.25±0.2mm	J	C2220N821J102T		
102 (1nF)	1206	E/1.6±0.2mm	J	C1206N102J102T		
	1210	D/1.25±0.2mm	J	C1210N102J102T		
	1808	E/1.6±0.2mm	J	C1808N102J102T		
	1808	F/2.0±0.2mm	J	C1808N102J102T	C1808N102J202T	
	1812	E/1.6±0.2mm	J	C1812N102J102T		
	1812	F/2.0±0.2mm	J		C1812N102J202T	
	2220	D/1.25±0.2mm	J	C2220N102J102T		
122 (1.2nF)	1210	D/1.25±0.2mm	J	C1210N122J102T		
	1808	E/1.6±0.2mm	J	C1808N122J102T		
	1812	E/1.6±0.2mm	J	C1812N122J102T		
	1812	F/2.0±0.2mm	J		C1812N122J202T	
	2220	D/1.25±0.2mm	J	C2220N122J102T		
152 (1.5nF)	1210	E/1.6±0.2mm	J	C1210N152J102T		
	1808	E/1.6±0.2mm	J	C1808N152J102T		
	1812	F/2.0±0.2mm	J	C1812N152J102T	C1812N152J202T	
	2220	D/1.25±0.2mm	J	C2220N152J102T		
182 (1.8nF)	1210	E/1.6±0.2mm	J	C1210N182J102T		
	1808	E/1.6±0.2mm	J	C1808N182J102T		
	1812	F/2.0±0.2mm	J	C1812N182J102T		
	2220	D/1.25±0.2mm	J	C2220N182J102T		
222 (2.2nF)	1210	E/1.6±0.2mm	J	C1210N222J102T		
	1808	E/1.6±0.2mm	J	C1808N222J102T		
	1812	F/2.0±0.2mm	J	C1812N222J102T		
	2211	H/2.8±0.2mm	J		C2211N222J202T	
	2220	D/1.25±0.2mm	J	C2220N222J102T		
	2220	E/1.6±0.2mm	J		C2220N222J202T	
272 (2.7nF)	1210	F/2.0±0.2mm	J	C1210N272J102T		
	1812	F/2.0±0.2mm	J	C1812N272J102T		
	2220	D/1.25±0.2mm	J	C2220N272J102T		
332 (3.3nF)	1210	G/2.4±0.2mm	J	C1210N332J102T		
	1812	F/2.0±0.2mm	J	C1812N332J102T		
	2220	D/1.25±0.2mm	J	C2220N332J102T		
	2220	F/2.0±0.2mm	J	C2220N332J102T		
392 (3.9nF)	1812	F/2.0±0.2mm	J	C1812N392J102T		
	2220	D/1.25±0.2mm	J	C2220N392J102T		

Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 1KV	Rated Voltage 2KV	Rated Voltage 2.5KV
472 (4.7nF)	1812	F/2.0±0.2mm	J	C1812N472J102T		
	2220	D/1.25±0.2mm	J	C2220N472J102T		
	2225	G/2.4±0.2mm	J		C2225N472J202T	
562 (5.6nF)	1812	F/2.0±0.2mm	J	C1812N562J102T		
	2220	D/1.25±0.2mm	J	C2220N562J102T		
682 (6.8nF)	1812	G/2.4±0.2mm	J	C1812N682J102T		
	2220	D/1.25±0.2mm	J	C2220N682J102T		
822 (8.2nF)	2220	E/1.6±0.2mm	J	C2220N822J102T		
103 (10nF)	2220	E/1.6±0.2mm	J	C2220N103J102T		
	2225	F/2.0±0.2mm	J	C2225N103J102T		
123 (12nF)	2220	F/2.0±0.2mm	J	C2220N123J102T		
	2225	F/2.0±0.2mm	J	C2225N123J102T		
153 (15nF)	2220	G/2.4±0.2mm	J	C2220N153J102T		
	2225	F/2.0±0.2mm	J	C2225N153J102T		
183 (18nF)	2220	I/3.2±0.2mm	J	C2220N183J102T		
	2225	I/3.2±0.2mm	J		C2225N183J202T	

Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 3KV	Rated Voltage 4KV	Rated Voltage 5KV
2R0 (2pF)	1206	D/1.25±0.2mm	J	C1206N2R0J302T		
	1808	D/1.25±0.2mm	J	C1808N2R0J302T		
	1812	D/1.25±0.2mm	J	C1812N2R0J302T		
	2208	F/2.0±0.2mm	J			C2208N2R0J502T
	2211	F/2.0±0.2mm	J			C2211N2R0J502T
	2220	D/1.25±0.2mm	J	C2220N2R0J302T		C2220N2R0J502T
3R3 (3.3pF)	1206	D/1.25±0.2mm	J	C1206N3R3J302T		
	1808	D/1.25±0.2mm	J	C1808N3R3J302T		
	1812	D/1.25±0.2mm	J	C1812N3R3J302T		
	2208	F/2.0±0.2mm	J			C2208N3R3J502T
	2211	F/2.0±0.2mm	J			C2211N3R3J502T
	2220	D/1.25±0.2mm	J	C2220N3R3J502T		C2220N3R3J502T
3R9 (3.9pF)	1206	D/1.25±0.2mm	J	C1206N3R9J302T		
	1808	D/1.25±0.2mm	J	C1808N3R9J302T		
	1812	D/1.25±0.2mm	J	C1812N3R9J302T		
	2208	F/2.0±0.2mm	J			C2208N3R9J502T
	2211	F/2.0±0.2mm	J			C2211N3R9J502T
	2220	D/1.25±0.2mm	J	C2220N3R9J302T		C2220N3R9J502T
5R0 (5pF)	1206	D/1.25±0.2mm	J	C1206N5R0J302T		
	1808	D/1.25±0.2mm	J	C1808N5R0J302T		
	1808	F/2.0±0.2mm	J			C1808N5R0J502T
	1812	D/1.25±0.2mm	J	C1812N5R0J302T		
	2208	F/2.0±0.2mm	J			C2208N5R0J502T
	2211	F/2.0±0.2mm	J			C2211N5R0J502T
8R2 (8.2pF)	2220	D/1.25±0.2mm	J	C2220N5R0J302T		C2220N5R0J502T
	1206	D/1.25±0.2mm	J	C1206N8R2J302T		
	1808	D/1.25±0.2mm	J	C1808N8R2J302T		
	1812	D/1.25±0.2mm	J	C1812N8R2J302T		
	2208	F/2.0±0.2mm	J			C2208N8R2J502T
	2211	F/2.0±0.2mm	J			C2211N8R2J502T
100 (10pF)	2220	D/1.25±0.2mm	J	C2220N8R2J302T		C2220N8R2J502T
	1206	D/1.25±0.2mm	J	C1206N100J302T		
	1808	D/1.25±0.2mm	J	C1808N100J302T		
	1808	F/2.0±0.2mm	J			C1808N100J502T
	1812	D/1.25±0.2mm	J	C1812N100J302T		
	2208	F/2.0±0.2mm	J			C2208N100J502T
120 (12pF)	2211	F/2.0±0.2mm	J			C2211N100J502T
	2220	D/1.25±0.2mm	J	C2220N100J302T		C2220N100J502T
	1206	D/1.25±0.2mm	J	C1206N120J302T		
	1808	D/1.25±0.2mm	J	C1808N120J302T		
	1808	F/2.0±0.2mm	J			C1808N120J502T
	1812	D/1.25±0.2mm	J	C1812N120J302T		
120 (12pF)	2208	F/2.0±0.2mm	J			C2208N120J502T
	2211	F/2.0±0.2mm	J			C2211N120J502T
	2220	D/1.25±0.2mm	J	C2220N100J302T		C2220N120J502T

Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 3KV	Rated Voltage 4KV	Rated Voltage 5KV
150 (15pF)	1206	D/1.25±0.2mm	J	C1206N150J302T		
	1808	D/1.25±0.2mm	J	C1808N150J302T		
	1808	F/2.0±0.2mm	J			C1808N150J502T
	1812	D/1.25±0.2mm	J	C1812N150J302T		
	2208	F/2.0±0.2mm	J			C2208N150J502T
	2211	F/2.0±0.2mm	J			C2211N150J502T
	2220	D/1.25±0.2mm	J	C2220N150J302T		C2220N150J502T
180 (18pF)	1206	D/1.25±0.2mm	J	C1206N180J302T		
	1808	D/1.25±0.2mm	J	C1808N180J302T		
	1812	D/1.25±0.2mm	J	C1812N180J302T		
	2208	F/2.0±0.2mm	J			C2208N180J502T
	2211	F/2.0±0.2mm	J			C2211N180J502T
	2220	D/1.25±0.2mm	J	C2220N180J302T		C2220N180J502T
220 (22pF)	1206	D/1.25±0.2mm	J	C1206N220J302T		
	1808	D/1.25±0.2mm	J	C1808N220J302T		
	1808	F/2.0±0.2mm	J			C1808N220J502T
	1812	D/1.25±0.2mm	J	C1812N220J302T		
	2208	F/2.0±0.2mm	J			C2208N220J502T
	2211	F/2.0±0.2mm	J			C2211N220J502T
	2220	D/1.25±0.2mm	J	C2220N220J302T		C2220N220J502T
270 (27pF)	1206	D/1.25±0.2mm	J	C1206N270J302T		
	1808	D/1.25±0.2mm	J	C1808N270J302T		
	1812	D/1.25±0.2mm	J	C1812N270J302T		
	2208	F/2.0±0.2mm	J			C2208N270J502T
	2211	F/2.0±0.2mm	J			C2211N270J502T
	2220	D/1.25±0.2mm	J	C2220N270J302T		C2220N270J502T
330 (33pF)	1206	E/1.6±0.2mm	J	C1206N330J302T		
	1808	D/1.25±0.2mm	J	C1808N330J302T		
	1808	F/2.0±0.2mm	J			C1808N330J502T
	1812	D/1.25±0.2mm	J	C1812N330J302T		
	2208	F/2.0±0.2mm	J			C2208N330J502T
	2211	F/2.0±0.2mm	J			C2211N330J502T
	2220	D/1.25±0.2mm	J	C2220N330J302T		
390 (39pF)	2220	E/1.6±0.2mm	J			C2220N330J502T
	1206	E/1.6±0.2mm	J	C1206N390J302T		
	1808	D/1.25±0.2mm	J	C1808N390J302T		
	1812	D/1.25±0.2mm	J	C1812N390J302T		
	2208	F/2.0±0.2mm	J			C2208N390J502T
	2211	F/2.0±0.2mm	J			C2211N390J502T
2220	E/1.6±0.2mm	J	C2220N390J302T		C2220N390J502T	

Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 3KV	Rated Voltage 4KV	Rated Voltage 5KV
470 (47pF)	1206	E/1.6±0.2mm	J	C1206N470J302T		
	1808	D/1.25±0.2mm	J	C1808N470J302T		
	1808	F/2.0±0.2mm	J			C1808N470J502T
	1812	D/1.25±0.2mm	J	C1812N470J302T		
	2211	F/2.0±0.2mm	J			C2211N470J502T
560 (56pF)	2220	E/1.6±0.2mm	J	C2220N470J302T		C2220N470J502T
	1808	D/1.25±0.2mm	J	C1808N560J302T		
	1808	F/2.0±0.2mm	J			C1808N560J502T
	1812	D/1.25±0.2mm	J	C1812N560J302T		
	2211	F/2.0±0.2mm	J			C2211N560J502T
680 (68pF)	2220	E/1.6±0.2mm	J	C2220N560J302T		C2220N560J502T
	2225	D/1.25±0.2mm	J			C2225N560J502T
	1808	D/1.25±0.2mm	J	C1808N680J302T		
	1808	F/2.0±0.2mm	J			C1808N680J502T
	1812	D/1.25±0.2mm	J	C1812N680J302T		
820 (82pF)	2211	F/2.0±0.2mm	J			C2211N680J502T
	2220	E/1.6±0.2mm	J	C2220N680J302T		C2220N680J502T
	1808	D/1.25±0.2mm	J	C1808N820J302T		
	1808	F/2.0±0.2mm	J			C1808N820J502T
	1812	D/1.25±0.2mm	J	C1812N820J302T		
101 (100pF)	2220	E/1.6±0.2mm	J	C2220N820J302T		C2220N820J502T
	1808	D/1.25±0.2mm	J	C1808N101J302T		
	1808	F/2.0±0.2mm	J			C1808N101J502T
	1812	E/1.6±0.2mm	J	C1812N101J302T		
	1812	F/2.0±0.2mm	J	C1812N101J302T		
121 (120pF)	2220	E/1.6±0.2mm	J	C2220N101J302T		C2220N101J502T
	2225	D/1.25±0.2mm	J			C2225N101J502T
	1808	D/1.25±0.2mm	J	C1808N121J302T		
	1808	E/1.6±0.2mm	J	C1808N121J302T		
	1812	E/1.6±0.2mm	J	C1812N121J302T		
151 (150pF)	2220	E/1.6±0.2mm	J	C2220N121J302T		C2220N121J502T
	1808	E/1.6±0.2mm	J	C1808N151J302T		
	1808	F/2.0±0.2mm	J			C1808N151J502T
	1812	E/1.6±0.2mm	J	C1812N151J302T		
	1812	F/2.0±0.2mm	J	C1812N151J302T		
181 (180pF)	2220	E/1.6±0.2mm	J	C2220N151J302T		
	1808	D/1.25±0.2mm	J	C1808N181J302T		
	1808	F/2.0±0.2mm	J	C1808N181J302T		
	1812	E/1.6±0.2mm	J	C1812N181J302T		
	1808	F/2.0±0.2mm	J	C1808N221J302T		
221 (220pF)	1812	E/1.6±0.2mm	J	C1812N221J302T		
	1812	F/2.0±0.2mm	J	C1812N221J302T		
	2225	D/1.25±0.2mm	J	C2225N221J302T		

Cap.	Size	Thickness (mm)	Cap. Tol.	Catalog Number		
				Rated Voltage 3KV	Rated Voltage 4KV	Rated Voltage 5KV
271 (270pF)	1808	F/2.0±0.2mm	J	C1808N271J302T		
	1812	E/1.6±0.2mm	J	C1812N271J302T		
	1812	F/2.0±0.2mm	J	C1812N271J302T		
331 (330pF)	1808	F/2.0±0.2mm	J	C1808N331J302T		
	1812	E/1.6±0.2mm	J	C1812N331J302T		
	1812	F/2.0±0.2mm	J	C1812N331J302T		
391 (390pF)	1808	F/2.0±0.2mm	J	C1808N391J302T		
	1812	E/1.6±0.2mm	J	C1812N391J302T		
471 (470pF)	1808	F/2.0±0.2mm	J	C1808N471J302T		
	1812	E/1.6±0.2mm	J	C1812N471J302T		
561 (560pF)	1808	F/2.0±0.2mm	J	C1808N561J302T		
	1812	E/1.6±0.2mm	J	C1812N561J302T		
681 (680pF)	1808	F/2.0±0.2mm	J	C1808N681J302T		
	1812	F/2.0±0.2mm	J	C1812N681J302T		
821 (820pF)	1808	F/2.0±0.2mm	J	C1808N821J302T		
	1812	F/2.0±0.2mm	J	C1812N821J302T		
102 (1nF)	1808	F/2.0±0.2mm	J	C1808N102J302T		
	1812	G/2.4±0.2mm	J	C1812N102J302T		
122 (1.2nF)	1808	F/2.0±0.2mm	J	C1808N122J302T		
	1812	H/2.8±0.2mm	J	C1812N122J302T		
222 (2.2nF)	2220	F/2.0±0.2mm	J	C2220N222J302T		
	2220	G/2.4±0.2mm	J	C2220N222J302T		
	2225	F/2.0±0.2mm	J	C2225N222J302T		
	2225	G/2.4±0.2mm	J	C2225N222J302T		
332 (3.3nF)	2225	I/3.2±0.2mm	J	C2225N332J302T		

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 1KV	Rated Voltage 1.5KV	Rated Voltage 2KV	Rated Voltage 2.5KV
101 (100pF)	1206	B/0.85±0.15mm	K	C1206X101K102T			
	1206	D/1.25+-0.15mm	K	C1206X101K102T		C1206X101K202T	
	1206	B/0.85±0.15mm	K	C1206X151K102T			
151 (150pF)	1206	D/1.25+-0.15mm	K	C1206X151K102T			
	1808	D/1.25+-0.15mm	K			C1808X151K202T	
	1812	D/1.25+-0.15mm	K			C1812X151K202T	
181 (180pF)	1206	B/0.85±0.15mm	K	C1206X181K102T			
	1808	D/1.25+-0.15mm	K			C1808X181K202T	
	1812	D/1.25+-0.15mm	K			C1812X181K202T	
221 (220pF)	0805	B/0.85±0.15mm	K	C0805X221K102T			
	0805	C/1.0+-0.1mm	K	C0805X221K102T		C0805X221K202T	
	1206	B/0.85±0.15mm	K	C1206X221K102T	C1206X221K152T	C1206X221K202T	
	1206	D/1.25+-0.15mm	K	C1206X221K102T		C1206X221K202T	C1206X221K252T
	1210	C/1.0+-0.1mm	K			C1210X221K202T	
	1808	D/1.25+-0.15mm	K	C1808X221K102T		C1808X221K202T	
	1812	D/1.25+-0.15mm	K	C1812X221K102T		C1812X221K202T	
271 (270pF)	0805	B/0.85±0.15mm	K	C0805X271K102T			
	0805	C/1.0+-0.1mm	K			C0805X271K202T	
	1206	B/0.85±0.15mm	K	C1206X271K102T	C1206X271K152T	C1206X271K202T	
	1206	D/1.25+-0.15mm	K			C1206X271K202T	
	1210	C/1.0+-0.1mm	K			C1210X271K202T	
	1808	D/1.25+-0.15mm	K			C1808X271K202T	
	1812	D/1.25+-0.15mm	K	C1812X271K102T		C1812X271K202T	
331 (330pF)	0805	B/0.85±0.15mm	K	C0805X331K102T			
	0805	C/1.0+-0.1mm	K			C0805X331K202T	
	1206	B/0.85±0.15mm	K	C1206X331K102T	C1206X331K152T	C1206X331K202T	
	1206	D/1.25+-0.15mm	K	C1206X331K102T		C1206X331K202T	
	1210	C/1.0+-0.1mm	K			C1210X331K202T	
	1808	D/1.25+-0.15mm	K			C1808X331K202T	
	1812	D/1.25+-0.15mm	K	C1812X331K102T		C1812X331K202T	
391 (390pF)	0805	B/0.85±0.15mm	K	C0805X391K102T			
	0805	C/1.0+-0.1mm	K			C0805X391K202T	
	1206	B/0.85±0.15mm	K	C1206X391K102T	C1206X391K152T	C1206X391K202T	
	1210	C/1.0+-0.1mm	K			C1210X391K202T	
	1808	D/1.25+-0.15mm	K			C1808X391K202T	
471 (470pF)	1812	D/1.25+-0.15mm	K	C1812X391K102T		C1812X391K202T	
	0805	B/0.85±0.15mm	K	C0805X471K102T			
	0805	C/1.0+-0.1mm	K	C0805X471K102T		C0805X471K202T	
	1206	B/0.85±0.15mm	K	C1206X471K102T	C1206X471K152T	C1206X471K202T	
	1206	D/1.25+-0.15mm	K	C1206X471K102T		C1206X471K202T	
471 (470pF)	1210	C/1.0+-0.1mm	K			C1210X471K202T	
	1210	D/1.25+-0.15mm	K				
	1808	D/1.25+-0.15mm	K			C1808X471K202T	
	1812	D/1.25+-0.15mm	K	C1812X471K102T		C1812X471K202T	



Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 1KV	Rated Voltage 1.5KV	Rated Voltage 2KV	Rated Voltage 2.5KV
561 (560pF)	0805	B/0.85±0.15mm	K	C0805X561K102T			
	0805	C/1.0+/-0.1mm	K			C0805X561K202T	
	1206	B/0.85±0.15mm	K	C1206X561K102T	C1206X561K152T	C1206X561K202T	
	1206	D/1.25+/-0.15mm	K	C1206X561K102T		C1206X561K202T	
	1210	C/1.0+/-0.1mm	K			C1210X561K202T	
	1808	D/1.25+/-0.15mm	K			C1808X561K202T	
	1812	D/1.25+/-0.15mm	K	C1812X561K102T		C1812X561K202T	
681 (680pF)	0805	B/0.85±0.15mm	K	C0805X681K102T			
	0805	C/1.0+/-0.1mm	K	C0805X681K102T		C0805X681K202T	
	1206	B/0.85±0.15mm	K	C1206X681K102T	C1206X681K152T	C1206X681K202T	
	1206	D/1.25+/-0.15mm	K	C1206X681K102T		C1206X681K202T	
	1210	C/1.0+/-0.1mm	K			C1210X681K202T	
	1808	D/1.25+/-0.15mm	K			C1808X681K202T	
	1812	D/1.25+/-0.15mm	K	C1812X681K102T		C1812X681K202T	
821 (820pF)	0805	B/0.85±0.15mm	K	C0805X821K102T			
	0805	C/1.0+/-0.1mm	K			C0805X821K202T	
	1206	B/0.85±0.15mm	K	C1206X821K102T	C1206X821K152T	C1206X821K202T	
	1206	D/1.25+/-0.15mm	K	C1206X821K102T	C1206X821K152T		
	1210	C/1.0+/-0.1mm	K			C1210X821K202T	
	1808	D/1.25+/-0.15mm	K			C1808X821K202T	
	1812	D/1.25+/-0.15mm	K	C1812X821K102T		C1812X821K202T	
102 (1nF)	0805	C/1.0+/-0.1mm	K	C0805X102K102T			
	1206	B/0.85±0.15mm	K	C1206X102K102T	C1206X102K152T	C1206X102K202T	C1206X102K252T
	1206	C/1.0+/-0.1mm	K	C1206X102K102T		C1206X102K202T	
	1206	D/1.25+/-0.15mm	K	C1206X102K102T		C1206X102K202T	C1206X102K252T
	1206	E/1.6±0.2mm	K			C1206X102K202T	
	1210	C/1.0+/-0.1mm	K			C1210X102K202T	
	1210	D/1.25+/-0.15mm	K	C1210X102K102T		C1210X102K202T	
	1808	D/1.25+/-0.15mm	K	C1808X102K102T		C1808X102K202T	
	1812	D/1.25+/-0.15mm	K	C1812X102K102T		C1812X102K202T	
	2220	D/1.25+/-0.15mm	K	C2220X102K102T		C2220X102K202T	
	2220	E/1.6±0.2mm	K			C2220X102K202T	
122 (1.2nF)	0805	C/1.0+/-0.1mm	K	C0805X122K102T			
	1206	B/0.85±0.15mm	K	C1206X122K102T			
	1206	C/1.0+/-0.1mm	K		C1206X122K152T	C1206X122K202T	C1206X122K252T
	1210	C/1.0+/-0.1mm	K			C1210X122K202T	
	1808	D/1.25+/-0.15mm	K	C1808X122K102T		C1808X122K202T	
	1812	D/1.25+/-0.15mm	K	C1812X122K102T		C1812X122K202T	
	2220	D/1.25+/-0.15mm	K	C2220X122K102T		C2220X122K202T	
2225	D/1.25+/-0.15mm	K			C2225X122K202T		

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 1KV	Rated Voltage 1.5KV	Rated Voltage 2KV	Rated Voltage 2.5KV
152 (1.5nF)	0805	C/1.0+-0.1mm	K	C0805X152K102T			
	1206	B/0.85±0.15mm	K	C1206X152K102T			
	1206	C/1.0+-0.1mm	K		C1206X152K152T	C1206X152K202T	C1206X152K252T
	1206	D/1.25+-0.15mm	K	C1206X152K102T			
	1206	E/1.6+-0.2mm	K	C1206X152K102T		C1206X152K202T	
	1210	C/1.0+-0.1mm	K			C1210X152K202T	
	1210	E/1.6+-0.2mm	K			C1210X152K202T	
	1808	D/1.25+-0.15mm	K	C1808X152K102T		C1808X152K202T	
	1812	D/1.25+-0.15mm	K	C1812X152K102T		C1812X152K202T	
	2220	D/1.25+-0.15mm	K	C2220X152K102T		C2220X152K202T	
	2225	D/1.25+-0.15mm	K			C2225X152K202T	
	182 (1.8nF)	0805	C/1.0+-0.1mm	K	C0805X182K102T		
1206		B/0.85±0.15mm	K	C1206X182K102T			
1206		C/1.0+-0.1mm	K		C1206X182K152T	C1206X182K202T	C1206X182K252T
1210		C/1.0+-0.1mm	K			C1210X182K202T	
1808		D/1.25+-0.15mm	K	C1808X182K102T		C1808X182K202T	
1812		D/1.25+-0.15mm	K	C1812X182K102T		C1812X182K202T	
1812		E/1.6+-0.2mm	K			C1812X182K202T	
2220		D/1.25+-0.15mm	K	C2220X182K102T		C2220X182K202T	
2225	D/1.25+-0.15mm	K			C2225X182K202T		
222 (2.2nF)	0805	C/1.0+-0.1mm	K	C0805X222K102T			
	1206	B/0.85±0.15mm	K	C1206X222K102T			
	1206	C/1.0+-0.1mm	K		C1206X222K152T	C1206X222K202T	C1206X222K252T
	1206	D/1.25+-0.15mm	K	C1206X222K102T		C1206X222K202T	
	1206	E/1.6+-0.2mm	K	C1206X222K102T	C1206X222K152T	C1206X222K202T	
	1210	C/1.0+-0.1mm	K			C1210X222K202T	
	1210	D/1.25+-0.15mm	K	C1210X222K102T		C1210X222K202T	
	1210	F/2.0+-0.2mm	K	C1210X222K102T		C1210X222K202T	
	1808	D/1.25+-0.15mm	K	C1808X222K102T			
	1808	E/1.6+-0.2mm	K			C1808X222K202T	
	1812	D/1.25+-0.15mm	K	C1812X222K102T		C1812X222K202T	
	1812	E/1.6+-0.2mm	K			C1812X222K202T	
	1825	D/1.25+-0.15mm	K			C1825X222K202T	
	2220	D/1.25+-0.15mm	K	C2220X222K102T		C2220X222K202T	
2225	D/1.25+-0.15mm	K			C2225X222K202T		
272 (2.7nF)	1206	B/0.85±0.15mm	K	C1206X272K102T			
	1206	D/1.25+-0.15mm	K	C1206X272K102T	C1206X272K152T	C1206X272K202T	
	1210	D/1.25+-0.15mm	K			C1206X272K202T	C1206X272K252T
	1210	G/2.4±0.2mm	K			C1206X272K202T	
	1808	D/1.25+-0.15mm	K	C1808X272K102T			
	1808	F/2.0±0.2mm	K			C1808X272K202T	
	1812	D/1.25+-0.15mm	K	C1812X272K102T		C1812X272K202T	
	1825	D/1.25+-0.15mm	K			C1825X272K202T	
	2220	D/1.25+-0.15mm	K	C2220X272K102T		C2220X272K202T	
2225	D/1.25+-0.15mm	K			C2225X272K202T		

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 1KV	Rated Voltage 1.5KV	Rated Voltage 2KV	Rated Voltage 2.5KV
332 (3.3nF)	1206	B/0.85±0.15mm	K	C1206X332K102T			
	1206	D/1.25+-0.15mm	K	C1206X332K102T	C1206X332K152T	C1206X332K202T	C1206X332K252T
	1206	E/1.6+-0.2mm	K			C1206X332K202T	
	1210	D/1.25+-0.15mm	K	C1210X332K102T		C1210X332K202T	
	1210	E/1.6+-0.2mm	K			C1210X332K202T	
	1808	D/1.25+-0.15mm	K	C1808X332K102T			
	1808	F/2.0+-0.2mm	K			C1808X332K202T	
	1812	D/1.25+-0.15mm	K	C1812X332K102T		C1812X332K202T	
	1812	F/2.0+-0.2mm	K	C1812X332K102T		C1812X332K202T	
	1825	D/1.25+-0.15mm	K			C1825X332K202T	
	2220	D/1.25+-0.15mm	K	C2220X332K102T		C2220X332K202T	
	2220	E/1.6+-0.2mm	K			C2220X332K202T	
	2225	D/1.25+-0.15mm	K			C2225X332K202T	
	392 (3.9nF)	1206	B/0.85±0.15mm	K	C1206X392K102T		
1206		D/1.25+-0.15mm	K		C1206X392K152T	C1206X392K202T	
1206		E/1.6+-0.2mm	K			C1206X392K202T	C1206X392K252T
1210		E/1.6+-0.2mm	K			C1210X392K202T	
1210		G/2.4±0.2mm	K			C1210X392K202T	
1808		D/1.25+-0.15mm	K	C1808X392K102T		C1808X392K202T	
1812		D/1.25+-0.15mm	K	C1812X392K102T		C1812X392K202T	
1825		D/1.25+-0.15mm	K			C1825X392K202T	
2220		D/1.25+-0.15mm	K	C2220X392K102T		C2220X392K202T	
2225		D/1.25+-0.15mm	K			C2225X392K202T	
472 (4.7nF)		1206	B/0.85±0.15mm	K	C1206X472K102T		
	1206	D/1.25+-0.15mm	K	C1206X472K102T	C1206X472K152T	C1206X472K202T	
	1206	E/1.6+-0.2mm	K			C1206X472K202T	C1206X472K252T
	1210	C/1.0+-0.1mm	K	C1210X472K102T			
	1210	F/2.0+-0.2mm	K	C1210X472K102T			
	1210	E/1.6+-0.2mm	K			C1210X472K202T	
	1210	G/2.4+-0.2mm	K			C1210X472K202T	
	1808	D/1.25+-0.15mm	K	C1808X472K102T			
	1808	E/1.6+-0.2mm	K			C1808X472K202T	
	1812	D/1.25+-0.15mm	K	C1812X472K102T		C1812X472K202T	
	1812	F/2.0+-0.2mm	K			C1812X472K202T	
	1825	D/1.25+-0.15mm	K			C1825X472K202T	
	2220	D/1.25+-0.15mm	K	C2220X472K102T		C2220X472K202T	
	2220	F/2.0+-0.2mm	K			C2220X472K202T	
2220	G/2.4+-0.2mm	K			C2220X472K202T		
2225	D/1.25+-0.15mm	K			C2225X472K202T		

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 1KV	Rated Voltage 1.5KV	Rated Voltage 2KV	Rated Voltage 2.5KV
562 (5.6nF)	1206	B/0.85±0.15mm	K	C1206X562K102T			
	1206	D/1.25+-0.15mm	K	C1206X562K102T	C1206X562K152T	C1206X562K202T	
	1206	E/1.6+-0.2mm	K				C1206X562K252T
	1210	C/1.0+-0.1mm	K	C1210X562K102T			
	1210	D/1.25+-0.15mm	K	C1210X562K102T			
	1210	E/1.6+-0.2mm	K			C1210X562K202T	
	1808	D/1.25+-0.15mm	K	C1808X562K102T			
	1808	E/1.6+-0.2mm	K			C1808X562K202T	
	1812	D/1.25+-0.15mm	K	C1812X562K102T			
	1812	F/2.0+-0.2mm	K			C1812X562K202T	
	1825	D/1.25+-0.15mm	K			C1825X562K202T	
	2220	D/1.25+-0.15mm	K	C2220X562K102T			
	2225	D/1.25+-0.15mm	K			C2225X562K202T	
	682 (6.8nF)	1206	B/0.85±0.15mm	K	C1206X682K102T		
1206		D/1.25+-0.15mm	K	C1206X682K102T	C1206X682K152T	C1206X682K202T	
1206		E/1.6+-0.2mm	K		C1206X682K152T	C1206X682K202T	
1210		C/1.0+-0.1mm	K	C1210X682K102T			
1210		D/1.25+-0.15mm	K	C1210X682K102T			
1210		F/2.0+-0.2mm	K			C1210X682K202T	
1210		G/2.4+-0.2mm	K			C1210X682K202T	
1808		D/1.25+-0.15mm	K	C1808X682K102T			
1808		E/1.6+-0.2mm	K				
1808		F/2.0+-0.2mm	K			C1808X682K202T	
1812		D/1.25+-0.15mm	K	C1812X682K102T			
1812		F/2.0+-0.2mm	K	C1812X682K102T			
1825		D/1.25+-0.15mm	K			C1825X682K202T	
2220		D/1.25+-0.15mm	K	C2220X682K102T			
2220	F/2.0+-0.2mm	K			C2220X682K202T		
2225	D/1.25+-0.15mm	K			C2225X682K202T		
822 (8.2nF)	1206	C/1.0+-0.1mm	K	C1206X822K102T			
	1206	E/1.6+-0.2mm	K		C1206X822K152T		
	1210	D/1.25+-0.15mm	K	C1210X822K102T			
	1210	F/2.0+-0.2mm	K			C1210X822K202T	
	1808	D/1.25+-0.15mm	K	C1808X822K102T			
	1812	D/1.25+-0.15mm	K	C1812X822K102T			
	1812	G/2.4+-0.2mm	K			C1812X822K202T	
	1825	E/1.6+-0.2mm	K			C1825X822K202T	
	2220	D/1.25+-0.15mm	K	C2220X822K102T			
	2225	D/1.25+-0.15mm	K			C2225X822K202T	

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 1KV	Rated Voltage 1.5KV	Rated Voltage 2KV	Rated Voltage 2.5KV
103 (10nF)	1206	C/1.0+-0.1mm	K	C1206X103K102T			
	1206	D/1.25+-0.15mm	K	C1206X103K102T			
	1206	E/1.6+-0.2mm	K		C1206X103K152T		
	1210	D/1.25+-0.15mm	K	C1210X103K102T			
	1210	G/2.4+-0.2mm	K			C1210X103K202T	
	1808	D/1.25+-0.15mm	K	C1808X103K102T			
	1808	F/2.0+-0.2mm	K	C1808X103K102T			
	1812	D/1.25+-0.15mm	K	C1812X103K102T			
	1812	E/1.6+-0.2mm	K	C1812X103K102T		C1812X103K202T	
	1812	F/2.0+-0.2mm	K			C1812X103K202T	
	1812	H/2.8+-0.2mm	K			C1812X103K202T	
	1825	E/1.6+-0.2mm	K			C1825X103K202T	
	2220	D/1.25+-0.15mm	K	C2220X103K102T		C2220X103K202T	
	2220	F/2.0+-0.2mm	K			C2220X103K202T	
	2225	D/1.25+-0.15mm	K			C2225X103K202T	
	2225	E/1.6+-0.2mm	K			C2225X103K202T	
123 (12nF)	1206	D/1.25+-0.15mm	K	C1206X123K102T			
	1210	D/1.25+-0.15mm	K	C1210X123K102T			
	1808	D/1.25+-0.15mm	K	C1808X123K102T			
	1812	D/1.25+-0.15mm	K	C1812X123K102T			
	1812	E/1.6+-0.2mm	K			C1812X123K202T	
	1825	E/1.6+-0.2mm	K			C1825X123K202T	
	2220	D/1.25+-0.15mm	K	C2220X123K102T		C2220X123K202T	
2225	D/1.25+-0.15mm	K			C2225X123K202T		
153 (15nF)	1206	E/1.6+-0.2mm	K	C1206X153K102T			
	1210	D/1.25+-0.15mm	K	C1210X153K102T			
	1808	D/1.25+-0.15mm	K	C1808X153K102T			
	1808	F/2.0+-0.2mm	K	C1808X153K102T			
	1812	D/1.25+-0.15mm	K	C1812X153K102T			
	1812	E/1.6+-0.2mm	K	C1812X153K102T		C1812X153K202T	
	1812	H/2.8+-0.2mm	K			C1812X153K202T	
	1825	E/1.6+-0.2mm	K			C1825X153K202T	
	2220	D/1.25+-0.15mm	K	C2220X153K102T		C2220X153K202T	
2225	D/1.25+-0.15mm	K	C2225X153K102T		C2225X153K202T		
2225	F/2.0+-0.2mm	K	C2225X153K102T				
183 (18nF)	1206	E/1.6+-0.2mm	K	C1206X183K102T			
	1210	D/1.25+-0.15mm	K	C1210X183K102T			
	1808	D/1.25+-0.15mm	K	C1808X183K102T			
	1812	D/1.25+-0.15mm	K	C1812X183K102T			
	1812	F/2.0+-0.2mm	K			C1812X183K202T	
	1825	F/2.0+-0.2mm	K			C1825X183K202T	
	2220	D/1.25+-0.15mm	K	C2220X183K102T			
	2220	E/1.6+-0.2mm	K			C2220X183K202T	
2225	D/1.25+-0.15mm	K			C2225X183K202T		

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 1KV	Rated Voltage 1.5KV	Rated Voltage 2KV	Rated Voltage 2.5KV
223 (22nF)	1206	E/1.6+-0.2mm	K	C1206X223K102T			
	1210	D/1.25+-0.15mm	K	C1210X223K102T			
	1808	D/1.25+-0.15mm	K	C1808X223K102T			
	1812	D/1.25+-0.15mm	K	C1812X223K102T			
	1812	F/2.0+-0.2mm	K	C1812X223K102T		C1812X223K202T	
	1825	F/2.0+-0.2mm	K			C1825X223K202T	
	2220	D/1.25+-0.15mm	K	C2220X223K102T			
	2220	E/1.6+-0.2mm	K	C2220X223K102T	C2220X223K152T	C2220X223K202T	
	2225	D/1.25+-0.15mm	K			C2225X223K202T	
273 (27nF)	1210	E/1.6+-0.2mm	K	C1210X273K102T			
	1808	D/1.25+-0.15mm	K	C1808X273K102T			
	1812	D/1.25+-0.15mm	K	C1812X273K102T			
	1812	F/2.0+-0.2mm	K	C1812X273K102T			
	1812	G/2.4+-0.2mm	K	C1812X273K102T		C1812X273K202T	
	1825	G/2.4+-0.2mm	K			C1825X273K202T	
	2220	D/1.25+-0.15mm	K	C2220X273K102T			
	2220	E/1.6+-0.2mm	K			C2220X273K202T	
	2225	E/1.6+-0.2mm	K			C2225X273K202T	
333 (33nF)	1210	F/2.0+-0.2mm	K	C1210X333K102T			
	1210	G/2.4+-0.2mm	K	C1210X333K102T			
	1808	E/1.6+-0.2mm	K	C1808X333K102T			
	1812	D/1.25+-0.15mm	K	C1812X333K102T			
	1812	F/2.0+-0.2mm	K	C1812X333K102T			
	1812	H/2.8+-0.2mm	K			C1812X333K202T	
	1825	G/2.4+-0.2mm	K			C1825X333K202T	
	2220	D/1.25+-0.15mm	K	C2220X333K102T			
	2220	F/2.0+-0.2mm	K			C2220X333K202T	
	2220	H/2.8+-0.2mm	K			C2220X333K202T	
393 (39nF)	1210	F/2.0+-0.2mm	K	C1210X393K102T			
	1808	F/2.0+-0.2mm	K	C1808X393K102T			
	1812	D/1.25+-0.15mm	K	C1812X393K102T			
	1812	F/2.0+-0.2mm	K	C1812X393K102T			
	1825	H/2.8+-0.2mm	K			C1825X393K202T	
	2220	D/1.25+-0.15mm	K	C2220X393K102T			
	2220	F/2.0+-0.2mm	K	C2220X393K102T		C2220X393K202T	
	2225	F/2.0+-0.2mm	K			C2225X393K202T	
	2225	H/2.8+-0.2mm	K			C2225X393K202T	

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 1KV	Rated Voltage 1.5KV	Rated Voltage 2KV	Rated Voltage 2.5KV
473 (47nF)	1210	G/2.4+-0.2mm	K	C1210X473K102T			
	1808	F/2.0+-0.2mm	K	C1808X473K102T			
	1812	D/1.25+-0.15mm	K	C1812X473K102T			
	1812	F/2.0+-0.2mm	K	C1812X473K102T			
	2220	D/1.25+-0.15mm	K	C2220X473K102T			
	2220	E/1.6+-0.2mm	K		C2220X473K152T		
	2220	G/2.4+-0.2mm	K			C2220X473K202T	
	2220	F/2.0+-0.2mm	K	C2220X473K102T	C2220X473K152T		
	2225	D/1.25+-0.15mm	K	C2225X473K102T			
	2225	E/1.6+-0.2mm	K	C2225X473K102T	C2225X473K152T		
	2225	F/2.0+-0.2mm	K			C2225X473K202T	
	563 (56nF)	1812	F/2.0+-0.2mm	K	C1812X563K102T		
2220		D/1.25+-0.15mm	K	C2220X563K102T			
2220		G/2.4+-0.2mm	K	C2220X563K102T		C2220X563K202T	
2225		D/1.25+-0.15mm	K	C2225X563K102T			
2225		E/1.6+-0.2mm	K	C2225X563K102T			
2225		F/2.0+-0.2mm	K	C2225X563K102T		C2225X563K202T	
683 (68nF)	1812	F/2.0+-0.2mm	K	C1812X683K102T			
	2220	D/1.25+-0.15mm	K	C2220X683K102T			
	2225	D/1.25+-0.15mm	K	C2225X683K102T			
	2225	F/2.0+-0.2mm	K		C2225X683K152T		
	2225	G/2.4+-0.2mm	K			C2225X683K202T	
823 (82nF)	1812	G/2.4+-0.2mm	K	C1812X823K102T			
	2220	D/1.25+-0.15mm	K	C2220X823K102T			
	2225	D/1.25+-0.15mm	K	C2225X823K102T			
	2225	H/2.8+-0.2mm	K			C2225X823K202T	
104 (100nF)	1812	G/2.4+-0.2mm	K	C1812X104K102T			
	2220	E/1.6+-0.2mm	K	C2220X104K102T			
	2225	D/1.25+-0.15mm	K	C2225X104K102T			
	2225	E/1.6+-0.2mm	K	C2225X104K102T			
	2225	I/3.2±0.2mm	K			C2225X104K202T	
124 (120nF)	1812	G/2.4+-0.2mm	K	C1812X124K102T			
	2220	E/1.6+-0.2mm	K	C2220X124K102T			
154 (150nF)	1812	H/2.8+-0.2mm	K	C1812X154K102T			
	2220	F/2.0+-0.2mm	K	C2220X154K102T			
184 (180nF)	2220	F/2.0+-0.2mm	K	C2220X184K102T			
224 (220nF)	2220	F/2.0+-0.2mm	K	C2220X224K102T			
	2220	H/2.8+-0.2mm	K	C2220X224K102T			

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 3KV	Rated Voltage 4KV	Rated Voltage 5KV	Rated Voltage 8KV
101 (100pF)	2211	E/1.6±0.2mm	K			C2211X101K502T	
	1206	B/0.85±0.15mm	K	C1206X151K302T			
151 (150pF)	1808	D/1.25±0.2mm	K	C1808X151K302T	C1808X151K402T		
	2220	E/1.6±0.2mm	K			C2220X151K502T	
181 (180pF)	1206	B/0.85±0.15mm	K	C1206X181K302T			
	1808	D/1.25±0.2mm	K	C1808X181K302T	C1808X181K402T		
221 (220pF)	1206	B/0.85±0.15mm	K	C1206X221K302T			
	1808	D/1.25±0.2mm	K	C1808X221K302T	C1808X221K402T	C1808X221K502T	
	2211	E/1.6±0.2mm	K			C2211X221K502T	C2211X221K802T
271 (270pF)	1206	B/0.85±0.15mm	K	C1206X271K302T			
	1808	D/1.25±0.2mm	K	C1808X271K302T	C1808X271K402T	C1808X271K502T	
	1812	E/1.6±0.2mm	K	C1812X271K302T			
	2211	E/1.6±0.2mm	K				C2211X271K802T
331 (330pF)	1206	B/0.85±0.15mm	K	C1206X331K302T			
	1808	D/1.25±0.2mm	K	C1808X331K302T	C1808X331K402T		
	1808	E/1.6±0.2mm	K			C1808X331K502T	
	2220	F/2.0±0.2mm	K			C2220X331K502T	
	2211	F/2.0±0.2mm	K				C2211X331K802T
391 (390pF)	1206	C/1.0 +0.1mm -0.05mm	K	C1206X391K302T			
	1808	D/1.25±0.2mm	K	C1808X391K302T			
	1808	E/1.6±0.2mm	K		C1808X391K402T	C1808X391K502T	
	2211	G/2.4+ -0.2mm	K				C2211X391K802T
471 (470pF)	1206	C/1.0 +0.1mm -0.05mm	K	C1206X471K302T			
	1808	D/1.25±0.2mm	K	C1808X471K302T			
	1808	E/1.6±0.2mm	K	C1808X471K302T	C1808X471K402T	C1808X471K502T	
	1812	F/2.0±0.2mm	K			C1812X471K502T	
	2211	F/2.0±0.2mm	K			C2211X471K502T	
	2211	G/2.4+ -0.2mm	K			C2211X471K502T	C2211X471K802T
561 (560pF)	2220	F/2.0±0.2mm	K			C2220X471K502T	
	1206	C/1.0 +0.1mm -0.05mm	K	C1206X561K302T			
	1808	D/1.25±0.2mm	K	C1808X561K302T			
	1808	E/1.6±0.2mm	K		C1808X561K402T		
	1808	F/2.0±0.2mm	K			C1808X561K502T	
681 (680pF)	2211	H/2.8+ -0.2mm	K				C2211X561K802T
	1206	D/1.25±0.2mm	K	C1206X681K302T			
	1808	D/1.25±0.2mm	K	C1808X681K302T			
	1808	E/1.6±0.2mm	K	C1808X681K302T			
	1808	F/2.0±0.2mm	K		C1808X681K402T	C1808X681K502T	
	1812	D/1.25±0.2mm	K	C1812X681K302T			
	1812	E/1.6±0.2mm	K	C1812X681K302T			
681 (680pF)	1825	D/1.25±0.2mm	K	C1825X681K302T			
	2220	D/1.25±0.2mm	K	C2220X681K302T			
	2211	F/2.0±0.2mm	K			C2211X681K502T	
	2211	H/2.8+ -0.2mm	K				C2211X681K802T



Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 3KV	Rated Voltage 4KV	Rated Voltage 5KV	Rated Voltage 8KV
821 (820pF)	1206	D/1.25±0.2mm	K	C1206X821K302T			
	1808	D/1.25±0.2mm	K	C1808X821K302T			
	1808	F/2.0±0.2mm	K		C1808X821K402T		
	1812	D/1.25±0.2mm	K	C1812X821K302T			
	1812	F/2.0±0.2mm	K	C1812X821K302T			
	1825	D/1.25±0.2mm	K	C1825X821K302T			
	2211	H/2.8+/-0.2mm	K				C2211X821K802T
	2220	D/1.25±0.2mm	K	C2220X821K302T			
102 (1nF)	1206	D/1.25±0.2mm	K	C1206X102K302T			
	1808	D/1.25±0.2mm	K	C1808X102K302T			
	1808	E/1.6±0.2mm	K			C1808X102K502T	
	1808	F/2.0±0.2mm	K	C1808X102K302T	C1808X102K402T	C1808X102K502T	
	1812	D/1.25±0.2mm	K	C1812X102K302T			
	1812	F/2.0±0.2mm	K	C1812X102K302T		C1812X102K502T	
	1825	D/1.25±0.2mm	K	C1825X102K302T			
	2211	E/1.6±0.2mm	K			C2211X102K502T	
	2211	F/2.0±0.2mm	K			C2211X102K502T	
	2220	D/1.25±0.2mm	K	C2220X102K302T		C2220X102K502T	
122 (1.2nF)	1206	D/1.25±0.2mm	K	C1206X122K302T			
	1808	D/1.25±0.2mm	K	C1808X122K302T			
	1812	D/1.25±0.2mm	K	C1812X122K302T			
	1812	F/2.0±0.2mm	K	C1812X122K302T			
	1825	D/1.25±0.2mm	K	C1825X122K302T			
	2220	D/1.25±0.2mm	K	C2220X122K302T		C2220X122K502T	
152 (1.5nF)	1808	D/1.25±0.2mm	K	C1808X152K302T			
	1808	F/2.0±0.2mm	K	C1808X152K302T			
	1812	D/1.25±0.2mm	K	C1812X152K302T			
	1812	F/2.0±0.2mm	K	C1812X152K302T			
	1825	D/1.25±0.2mm	K	C1825X152K302T			
	2220	D/1.25±0.2mm	K	C2220X152K302T			
	2220	F/2.0±0.2mm	K			C2220X152K502T	
182 (1.8nF)	1808	D/1.25±0.2mm	K	C1808X182K302T			
	1808	F/2.0±0.2mm	K	C1808X182K302T			
	1812	D/1.25±0.2mm	K	C1812X182K302T			
	1825	D/1.25±0.2mm	K	C1825X182K302T			
	2220	D/1.25±0.2mm	K	C2220X182K302T			
	2211	G/2.4±0.2mm	K			C2211X182K502T	

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 3KV	Rated Voltage 4KV	Rated Voltage 5KV	Rated Voltage 8KV
222 (2.2nF)	1808	D/1.25±0.2mm	K	C1808X222K302T			
	1808	F/2.0±0.2mm	K	C1808X222K302T			
	1812	D/1.25±0.2mm	K	C1812X222K302T			
	1812	F/2.0±0.2mm	K	C1812X222K302T			
	1825	D/1.25±0.2mm	K	C1825X222K302T			
	2211	H/2.8±0.2mm	K			C2211X222K502T	
	2220	D/1.25±0.2mm	K	C2220X222K302T			
	2220	E/1.6±0.2mm	K			C2220X222K502T	
	2220	F/2.0±0.2mm	K	C2220X222K302T		C2220X222K502T	
	2225	D/1.25±0.2mm	K	C2225X222K302T			
2225	G/2.4±0.2mm	K		C2225X222K402T			
272 (2.7nF)	1808	E/1.6±0.2mm	K	C1808X272K302T			
	1812	D/1.25±0.2mm	K	C1812X272K302T			
	1812	G/2.4±0.2mm	K	C1812X272K302T			
	1825	D/1.25±0.2mm	K	C1825X272K302T			
	2220	D/1.25±0.2mm	K	C2220X272K302T			
	2225	D/1.25±0.2mm	K	C2225X272K302T			
2211	H/2.8±0.2mm	K			C2211X272K502T		
332 (3.3nF)	1808	E/1.6±0.2mm	K	C1808X332K302T			
	1808	F/2.0±0.2mm	K	C1808X332K302T			
	1812	D/1.25±0.2mm	K	C1812X332K302T			
	1812	E/1.6±0.2mm	K	C1812X332K302T			
	1812	H/2.8±0.2mm	K	C1812X332K302T			
	1825	D/1.25±0.2mm	K	C1825X332K302T			
	2220	D/1.25±0.2mm	K	C2220X332K302T			
	2220	G/2.4±0.2mm	K			C2220X332K502T	
2225	D/1.25±0.2mm	K	C2225X332K302T				
392 (3.9nF)	1808	E/1.6±0.2mm	K	C1808X392K302T			
	1812	D/1.25±0.2mm	K	C1812X392K302T			
	1825	D/1.25±0.2mm	K	C1825X392K302T			
	2220	D/1.25±0.2mm	K	C2220X392K302T			
	2225	D/1.25±0.2mm	K	C2225X392K302T			
472 (4.7nF)	1808	F/2.0±0.2mm	K	C1808X472K302T			
	1812	E/1.6±0.2mm	K	C1812X472K302T			
	1812	H/2.8±0.2mm	K	C1812X472K302T			
	1825	D/1.25±0.2mm	K	C1825X472K302T			
	2220	D/1.25±0.2mm	K	C2220X472K302T			
	2220	F/2.0±0.2mm	K			C2220X472K502T	
	2220	G/2.4±0.2mm	K	C2220X472K302T			
	2220	H/2.8±0.2mm	K			C2220X472K502T	
	2225	D/1.25±0.2mm	K	C2225X472K302T			
2225	E/1.6±0.2mm	K		C2225X472K402T			
562 (5.6nF)	1808	F/2.0±0.2mm	K	C1808X562K302T			
	1812	E/1.6±0.2mm	K	C1812X562K302T			
	1825	D/1.25±0.2mm	K	C1825X562K302T			
	2220	D/1.25±0.2mm	K	C2220X562K302T			
	2225	D/1.25±0.2mm	K	C2225X562K302T			

Cap.	Size	Thickness	Cap. Tol.	Catalog Number			
				Rated Voltage 3KV	Rated Voltage 4KV	Rated Voltage 5KV	Rated Voltage 8KV
682 (6.8nF)	1812	E/1.6±0.2mm	K	C1812X682K302T			
	1825	D/1.25±0.2mm	K	C1825X682K302T			
	2220	D/1.25±0.2mm	K	C2220X682K302T			
822 (8.2nF)	2225	D/1.25±0.2mm	K	C2225X682K302T			
	1812	F/2.0±0.2mm	K	C1812X822K302T			
	1825	E/1.6±0.2mm	K	C1825X822K302T			
	2220	E/1.6±0.2mm	K	C2220X822K302T			
103 (10nF)	2225	D/1.25±0.2mm	K	C2225X822K302T			
	1812	F/2.0±0.2mm	K	C1812X103K302T			
	1825	E/1.6±0.2mm	K	C1825X103K302T			
	2220	E/1.6±0.2mm	K	C2220X103K302T			
	2220	F/2.0±0.2mm	K	C2220X103K302T			
123 (12nF)	2220	H/2.8±0.2mm	K	C2220X103K302T			
	2225	D/1.25±0.2mm	K	C2225X103K302T			
	1825	E/1.6±0.2mm	K	C1825X123K302T			
153 (15nF)	2220	E/1.6±0.2mm	K	C2220X123K302T			
	2225	D/1.25±0.2mm	K	C2225X123K302T			
	1825	F/2.0±0.2mm	K	C1825X153K302T			
183 (18nF)	2220	F/2.0±0.2mm	K	C2220X153K302T			
	2225	E/1.6±0.2mm	K	C2225X153K302T			
	1825	G/2.4±0.2mm	K	C1825X183K302T			
223 (22nF)	2220	G/2.4±0.2mm	K	C2220X183K302T			
	2225	E/1.6±0.2mm	K	C2225X183K302T			
273 (27nF)	2225	E/1.6±0.2mm	K	C2225X223K302T			
333 (33nF)	2225	F/2.0±0.2mm	K	C2225X273K302T			
	2225	G/2.4±0.2mm	K	C2225X333K302T			

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