

# X Type Across-The-Line Filter Disc Ceramic Capacitors



- UL Recognized  
UL 1414, File E38785
- CSA Certified  
CSA 22.2#1, File LR33468
- VDE Recognized  
Specification 57-565-1  
Files: 13751-4670-1002/A1B  
13971-4670-1001/A2E

\* For other X Type capacitors, see our 158X Film Capacitors on page 168

## GENERAL SPECIFICATIONS

Temperature Coefficient: Z5U  
 Voltage Range: 125 VAC or 2000 VDC  
 Capacitance Range: .001  $\mu$ F to .01  $\mu$ F  
 Capacity Tolerance:  $\pm$ 20%  
 Dielectric Strength: 3250 vrms minimum for 2 minutes  
 Lead Material: Tin Plated Copper

Dissipation Factor: 2.5% Max at 25°C  
 Operating Temperature: +10°C to +85°C  
 Case Breakdown: > 1000 VAC (RMS) at 60Hz for 1 minute  
 Insulation Resistance: 10K megohms @ 25°C  
 Discharge Tests: 220 VAC @ 85°C for 42 days, then cycle at 1/10 sec/hr. for 42 days at 440 VAC 50% humidity

Capacity $\mu$ F	Tol	Size (Inches)				Size (Millimeters)				Catalog Number
		D	T	S	d	D	T	S	d	
<b>125 VAC (rms) / 2000 VDC</b>										
.001	20%	.472	.315	.375	.032	12.0	8.0	9.5	.8	UN102M
.002	20%	.472	.315	.375	.032	12.0	8.0	9.5	.8	UN202M
.0047	20%	.748	.315	.375	.032	19.0	8.0	9.5	.8	UN472M

Capacity $\mu$ F	Tol	Size (Inches)				Size (Millimeters)				Catalog Number
		D	T	S	d	D	T	S	d	
<b>125 VAC (rms) / 2000 VDC</b>										
.005	20%	.748	.315	.375	.032	19.0	8.0	9.5	.8	UN502M
.01	20%	.905	.315	.500	.032	23.0	8.0	12.7	.8	UN103M

Note: Once stock is depleted these parts will no longer be available

# X1-Y1 Type Across-The-Line, Antenna Coupling & Line By Pass Disc Ceramic Capacitors



- UL Recognized  
UL 1283, UL 1414 File E89615
- CSA Certified  
CSA 22.2#1, File LR701398
- VDE Certified  
Files: 95414, 95415, 95416
- SEV Certified  
Files: 96, 5 50522, 06
- SEMKO Certified  
File: 9612104-01
- NEMKO Certified  
File: P96101248
- DEMKO Certified  
File: 305416
- FIMKO Certified  
File: 190124-01

## GENERAL SPECIFICATIONS

Temperature Coefficient: Y5U  
 Voltage Range: 250 VAC  
 Capacitance Range: 100 pF to .01  $\mu$ F  
 Capacity Tolerance:  $\pm$ 10%,  $\pm$ 20%  
 Dielectric Strength: 4000 vrms minimum for 1 minute  
 Dissipation Factor: 2.0% Max  
 Operating Temperature: -30°C to +85°C

Capacity pF	Tol	Size (Inches)				Size (Millimeters)				Catalog Number
		D	T	S	d	D	T	S	d	
<b>250 VAC</b>										
1000	20%	.402	.240	.375	.031	10.2	6.1	9.5	.8	UXY102M
2200	20%	.461	.228	.375	.031	11.7	5.8	9.5	.8	UXY222M
3900	20%	.618	.232	.375	.031	15.7	5.9	9.5	.8	UXY392M
4700	20%	.681	.228	.375	.031	17.3	5.8	9.5	.8	UXY472M
.01 $\mu$ F	20%	.902	.230	.375	.031	22.9	5.8	9.5	.8	UXY103M

Note: Once stock is depleted these parts will no longer be available