

Distributed by:



www.Jameco.com ♦ 1-800-831-4242

The content and copyrights of the attached
material are the property of its owner.

Jameco Part Number 528016

158X Series Type X2 Suppressor Capacitors

Metallized Polyester / Radial Leads



- Radial Leads in Two Lengths
- UL-1414 and CSA Approved
- Flame Retardant Case Meets UL94V-0
- Polyurethane End Fill Meets UL94V-0
- Used in applications where damage to the capacitor will not lead to the danger of electrical shock
- Lead Material Tinned Copper Clad Steel

GENERAL SPECIFICATIONS

Operating Temperature:

-40°C to +100°C

Voltage Range:

275/250 VAC, 60 Hz
(275VAC International)

Capacitance Range:

0.01 μ F to 2.2 μ F

Capacitance Tolerance:

$\pm 20\%$ (Standard)

$\pm 10\%$ (Special)

Dissipation Factor (DF)

0.01 Max at 1000 $\pm$ 10Hz

Insulation Resistance (IR)

(@ 500 VDC and 20°C)

Terminal to Terminal:

$\leq 0.33\mu\text{F}$ 15,000 M Ω min

$\geq 0.47\mu\text{F}$ 5,000 M Ω x μF min

Both Terminals to Body:

100,000 M Ω min

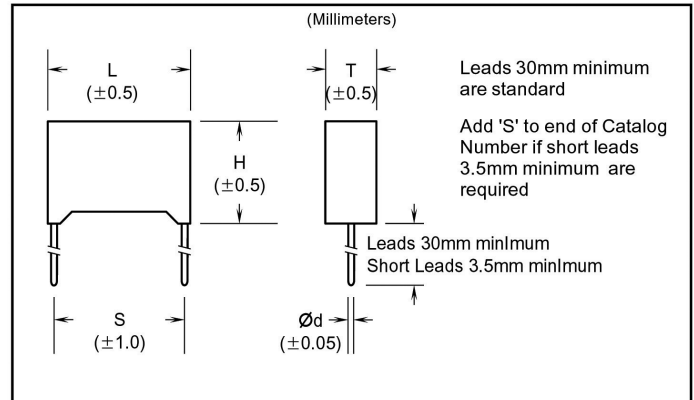
Maximum Pulse Capability

μF	V/ μs	μF	V/ μs
.010	2800	0.22	1200
.022	2400	0.47	1000
.033	2400	0.68	1000
.047	2000	1.00	800
.068	2000	1.50	800
.100	1600	2.20	600

International Approvals

Safety Agency	Standard	File Number
UL	UL-1414 (250VAC)	E151554
UL	UL-1238 (250VAC)	E151553
CSA	C22 2, No. 8-M1986 (250VAC)	LR37404-33M
VDE	IEC384-14 II EN 132400	18022-4670-1700
SEMKO	IEC384-14 II EN 132400	9308002
SEV	IEC384-14 II EN 132400	92.552158.01
EI	IEC384-14 II EN 132400	164090-01
DEMKO	IEC384-14 II EN 132400	112398EC/121
NEMKO	IEC384-14 II EN 132400	M70107

Outline Dimensions



Ratings and Dimensions

Catalog Part Number	Cap μF	Inches					Millimeters				
		L Length	T Thickness	H Height	S Spacing	Ød	L Length	T Thickness	H Height	S Spacing	Ød
158X103	0.010	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X123	0.012	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X153	0.015	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X183	0.018	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X223	0.022	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X273	0.027	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X333	0.033	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X393	0.039	0.669	0.217	0.492	0.591	0.031	17.0	5.5	12.5	15.0	0.8
158X473	0.047	0.669	0.217	0.492	0.591	0.031	17.0	5.5	12.5	15.0	0.8
158X563	0.056	0.669	0.256	0.531	0.591	0.031	17.0	6.5	13.5	15.0	0.8
158X683	0.068	0.669	0.256	0.531	0.591	0.031	17.0	6.5	13.5	15.0	0.8
158X823	0.082	0.669	0.256	0.591	0.591	0.031	17.0	6.5	15.0	15.0	0.8
158X104	0.100	0.669	0.315	0.591	0.591	0.031	17.0	8.0	15.0	15.0	0.8
158X124	0.120	0.984	0.256	0.630	0.886	0.031	25.0	6.5	16.0	22.5	0.8
158X154	0.150	0.984	0.256	0.630	0.886	0.031	25.0	6.5	16.0	22.5	0.8

NOTE: If $\pm 10\%$ tolerance is required, add 'K' to end of Catalog Part Number

NOTE: Parts are normally supplied with leads 30mm minimum

To order short leads, 3.5mm minimum length, add 'S' to end of Catalog Part Number.

158X Series —Type X2 Suppressor Capacitors

Catalog Part Number	Cap μ F	Inches					Millimeters				
		L	T	H	S	$\varnothing$ d	L	T	H	S	$\varnothing$ d
		Length	Thickness	Height	Spacing		Length	Thickness	Height	Spacing	
158X184	0.180	0.984	0.315	0.689	0.886	0.031	25.0	8.0	17.5	22.5	0.8
158X224	0.220	0.984	0.315	0.689	0.886	0.031	25.0	8.0	17.5	22.5	0.8
158X274	0.270	1.181	0.354	0.669	1.083	0.031	30.0	9.0	17.0	27.5	0.8
158X334	0.330	0.984	0.394	0.768	0.886	0.031	25.0	10.0	19.5	22.5	0.8
158X394	0.390	1.181	0.433	0.866	1.083	0.031	30.0	11.0	22.0	27.5	0.8
158X474	0.470	1.181	0.433	0.866	1.083	0.031	30.0	11.0	22.0	27.5	0.8
158X564	0.560	1.181	0.531	0.965	1.083	0.031	30.0	13.5	24.5	27.5	0.8
158X684	0.680	1.181	0.531	0.965	1.083	0.031	30.0	13.5	24.5	27.5	0.8
158X824	0.820	1.201	0.630	1.102	1.083	0.039	30.5	16.0	28.0	27.5	1.0
158X105	1.000	1.201	0.591	0.965	1.083	0.039	30.5	15.0	24.5	27.5	1.0
158X125	1.200	1.614	0.610	1.102	1.476	0.039	41.0	15.5	28.0	37.5	1.0
158X155	1.500	1.614	0.610	1.102	1.476	0.039	41.0	15.5	28.0	37.5	1.0
158X185	1.800	1.614	0.689	1.280	1.476	0.039	41.0	17.5	32.5	37.5	1.0
158X225	2.200	1.614	0.689	1.280	1.476	0.039	41.0	17.5	32.5	37.5	1.0

NOTE: If $\pm 10\%$ tolerance is required, add 'K' to end of Catalog Part Number

NOTE: Parts are normally supplied with leads 30mm minimum

To order short leads, 3.5mm minimum length, add 'S' to end of Catalog Part Number.