158X Series Type X2 Suppressor Capacitors

Metallized Polyester / Radial Leads



- Radial Leads in Two Lengths
- UL and CSA Approved
- Flame Retardant Case Meets UL94V-0
- Potting 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

Specifications

Capacitance Range	0.01 µF to 2.2 µF
Capacitance Tolerance	±20% (Standard), ±10% (Special)
Rated Voltage	275/250 VAC, 60 Hz
Operating Temperature Range	-40 °C to +100 °C
Test Voltage	Terminal to Terminal: 1,250 Vac, 50/60Hz / 60 Sec. Terminals to Case: 2,000 Vac, 50/60Hz / 60 Sec.
Dissipation Factor +25 °C	tgδ 0.01 Max at 1kHz ±10Hz
Insulation Resistance **Terminal to Terminal**	(@ 500 VDC and 20 °C) ≤0.33µF 15,000 MΩ min ≥0.47µF 5,000 MΩ x µF min
Both Terminals to Body	100,000 MΩ min
Maximum Pulse Rise Time	

µF	V/µs	µF	V/µs
.010	2800	0.22	1200
.022	2400	0.47	1000
.033	2400	0.68	1000
.047	2000	1.0	800
.068	2000	1.50	600
.100	1600	2.20	600

Regulatory Information

Ratings

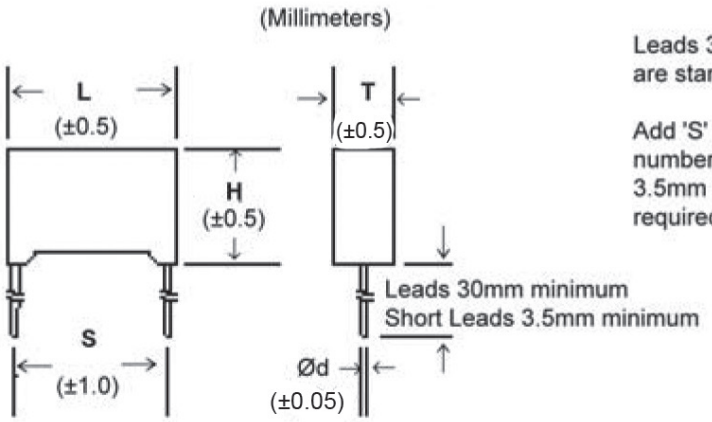
		Inches					Millimeters				
Catalog Part Number	Cap (µF)	L Length	T Thickness	H Height	S Spacing	Ød	L Length	T Thickness	H Height	S Spacing	Ød
158X103	0.010	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X123	0.012	0.669	0.197	0.472	0.591	0.024	17.0	5.0	12.0	15.0	0.6
158X153	0.015	0.669	0.197	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
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	0.768	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	0.630	1.102	1.083	0.039	30.5	16.0	28.0	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 ±10% tolerance is required, add 'K' to end of Catalog 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.

OBSOLETE
See MKP Series for Replacement

Outline Dimensions



Leads 30mm minumum are standard.

Add 'S' to end of catalog number if short leads 3.5mm minimum are required.

Agency Approvals

Safety Agency	Standard	File Number
UL	UL-60384-14	E171988
CSA	C22 2, No.1-98/ No.8 (250VAC)	1572961
VDE	EN 60384-14	40018720
NEMKO	EN 60384-14	P22226049

OBSOLETE
See MKP Series for Replacement

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