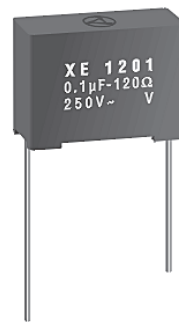
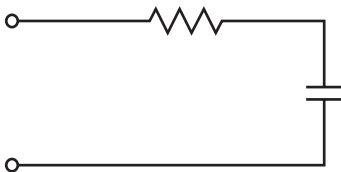


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## XE SERIES

- Our best size/performance series with broad applications in industrial controls
- Widest safety agency approvals
- High Peak Pulse withstand capability
- Large product selection range with ¼, ½, and 1 watt non-inductive, high pulse resistors

Safety Agency : Standard	File No.
UL : UL-1414	E47474
CSA : CSA C22.2 No.0, No.1	LR37404/LR68886
VDE : VDE0565-1	10529-4670-1002
SEMKO : SS443-04-14	8705137
DEMKO : Heavy Current Regulations Section 21 and IEC384-14	88929EC
NEMKO : NEMKO 132/85	E40433/E40434
EL : E384/14-82	116910-01, -02
SEV : SEV1055	87.1 01343.02



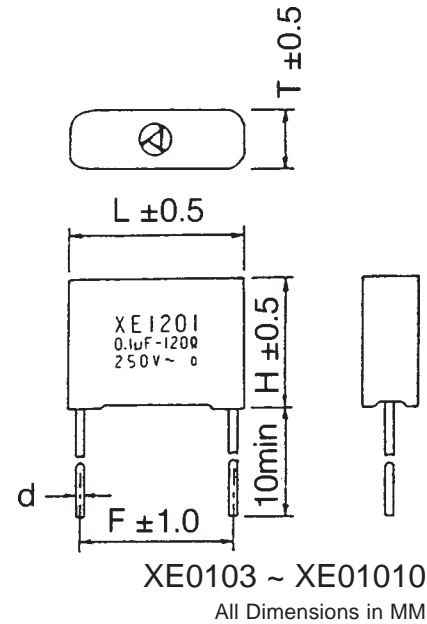
## ELECTRICAL SPECIFICATIONS

Operating temp. range : -40 ~ +85°C

Safety Standard	Class	Model number	Resistance Ω ± 30%	Capacitance Cx (µF±20%)	Pulse condition (Max)				Peak pulse voltage	Test voltage JISC5102	Insulation resistance
					Peak to Peak (P-P)	Pulse width	Repetitive frequency	Pulse width (sec) x Frequency(Hz)			
	X2	XE01001	10(¼W)	0.01	800V max.	50msec max.	120Hz max.	4.5max	1200V max.	Line to Line 15,000MΩ min.	
		XE04701	47(¼W)	0.01				3.0max			
		XE12001	120(¼W)	0.01				1.5max			
		XE22001	220(¼W)	0.01				0.8max			
		XE47001	470(¼W)	0.01				0.45max			
		XE010033	10(¼W)	0.033				3.0max			
		XE047033	47(¼W)	0.033				2.0max			
		XE120033	120(¼W)	0.033				1.0max			
		XE220033	220(¼W)	0.033				0.5max			
		XE470033	470(¼W)	0.033				0.25max			
		XE0101	10(½W)	0.1				1.5max			
		XE0471	47(½W)	0.1				1.0max			
		XE1201	120(½W)	0.1				0.45max			
		XE2201	220(½W)	0.1				0.2max			
		XE4701	470(½W)	0.1				0.1max			
		XE0102	10(½W)	0.2				0.5max			
		XE0472	47(½W)	0.2				0.3max			
		XE1202	120(½W)	0.2				0.15max			
		XE2202	220(½W)	0.2				0.08max			
		XE0103	10(1W)	0.3				0.2max			
XE0473	47(1W)	0.3	0.1max								
XE1203	120(1W)	0.3	0.05max								
XE2203	220(1W)	0.3	0.02max								
XE0105	10(1W)	0.5	0.18max								
XE0475	47(1W)	0.5	0.05max								
XE01010	10(1W)	1.0	0.15max								

**MECHANICAL SPECIFICATIONS:**

Case: Standoffs provided for improved cleanability  
 Case Material: Polybutylene Terephthalate (FR-PBT)  
 UL-94 Flame Class V-O  
 Potting Material: UL-94 Flame Class V-O  
 Leads: Tinned Copper Clad Steel,  
 Soldered Capacitor Element  
 Capacitor: Double Wound, Oil Impregnated,  
 Metallized Polyester Film



**SPARK QUENCHERS**

**MECHANICAL DIMENSIONS**

Add "C6" suffix to p/n for 6mm lead length.  
Other lead lengths available—consult factory.

Safety Standard	Class	Model No.	Resistance $\Omega \pm 30\%$	Capacitance ( $\mu F \pm 20\%$ )	Dimensions						
					L	H	T	F	d		
	X2	XE01001	10(1/4W)	0.01	17.0	14.0	7.0	15.0	0.6±0.05		
		XE04701	47(1/4W)								
		XE12001	120(1/4W)								
		XE22001	220(1/4W)								
		XE47001	470(1/4W)								
				XE010033	10(1/4W)	0.033	17.5	15.0	8.0	15.0	0.6±0.05
				XE047033	47(1/4W)						
				XE120033	120(1/4W)						
				XE220033	220(1/4W)						
				XE470033	470(1/4W)						
				XE0101	10(1/2W)	0.1	23.5	17.5	8.5	20.0	0.8±0.07
				XE0471	47(1/2W)						
				XE1201	120(1/2W)						
				XE2201	220(1/2W)						
				XE4701	470(1/2W)						
				XE0102	10(1/2W)	0.2	30.0	20.0	11.0	27.5	0.8±0.07
				XE0472	47(1/2W)						
				XE1202	120(1/2W)						
				XE2202	220(1/2W)	0.3	40.0	28.0	16.0	36.5	1.0±0.10
				XE0103	10(1W)						
		XE0473	47(1W)								
		XE1203	120(1W)								
		XE2203	220(1W)								
		XE0105	10(1W)	0.5	47.0	33.5	22.0	43.5	1.0±0.10		
		XE0475	47(1W)								
		XE01010	10(1W)	1.0	47.0	33.5	22.0	43.5	1.0±0.10		