RoHS

XE SERIES

SPARK QUENCHER

OKAYA

Features

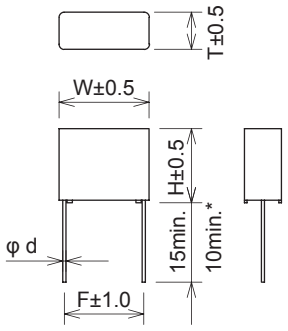
- Wide variations of constant.

Applications

- Suppressing mechanical switching surge occurring Automatic machines and Office appliances.

Safety Standard		File No.
UL	:UL60384-14	E47474
cUL	:CSA E60384-14	E47474
CSA	:CSA E60384-14	LR37404
VDE	:IEC/EN 60384-14	40021694
Electrosuisse	:IEC/EN 60384-14	13.0340
SEMKO	:IEC/EN 60384-14	1214750
NEMKO	:IEC/EN 60384-14	P07207757
FIMKO	:IEC/EN 60384-14	FI 27517
DEMKO	:IEC/EN 60384-14	D-01387

- *Dimensions*



*XE0103~XE01010

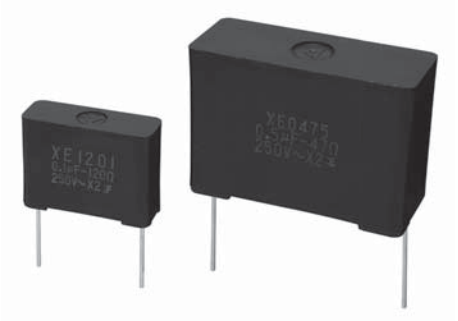
Unit: mm

- Model numbering system

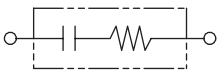
X	E							
Series Name		Resistance			Capacitance			

010	10Ω	01	0.01μF
047	47Ω	033	0.033μF
120	120Ω	1	0.1μF
220	220Ω	2	0.2μF
470	470Ω	3	0.3μF
		5	0.5μF
		10	1.0μF

The combination of Resistance and Capacitance is shown in following chart.



- *Circuit*



Electrical Specifications

Rated Voltage **250Vac**

Safety Standard	Class	Model Number	Capacitance μF±20%	Resistance Ω±30%	Dimensions (mm) W	H	T	F	d	Pulse condition (max.) Peak to peak	Pulse width	Repetitive frequency	Pulse width (sec) x Frequency(Hz)	Peak Pulse Voltage	Test Voltage	Insulation Resistance
cULus	X2	XE01001	0.01	10 (1/4W)	17.0	14.0	7.0	15.0	0.6±0.05	800V	50 msec	120Hz	4.5	1,200V max.	Line to Line 1,250Vac 50/60Hz 60sec Line to Case 2,000Vac 50/60Hz 60sec	Line to Line 15,000MΩ min. (500Vdc) except XE0105 0475, 01010 5,000MΩ min. (500Vdc) Line to Case 100,000MΩ min. (500Vdc)
		XE04701		47 (1/4W)									3.0			
		XE12001		120 (1/4W)									1.5			
		XE22001		220 (1/4W)									0.8			
		XE47001		470 (1/4W)									0.45			
SA		XE010033	0.033	10 (1/4W)	17.5	15.0	8.0						3.0			
		XE047033		47 (1/4W)									2.0			
VDE		XE120033		120 (1/4W)									1.0			
		XE220033		220 (1/4W)									0.5			
		XE470033		470 (1/4W)									0.25			
S		XE0101	0.1	10 (1/2W)	23.5	17.5	8.5	20.0	0.8±0.07				1.5			
		XE0471		47 (1/2W)									1.0			
N		XE1201		120 (1/2W)									0.45			
		XE2201		220 (1/2W)									0.2			
		XE4701		470 (1/2W)									0.1			
D		XE0102	0.2	10 (1/2W)	30.0	20.0	11.0	27.5					0.5			
		XE0472		47 (1/2W)									0.3			
		XE1202		120 (1/2W)									0.15			
		XE2202		220 (1/2W)									0.08			
FI		XE0103	0.3	10 (1W)	40.0	28.0	16.0	36.5	1.0±0.10				0.2			
		XE0473		47 (1W)									0.1			
+S		XE1203		120 (1W)									0.05			
		XE2203		220 (1W)									0.02			
		XE0105	0.5	10 (1W)									0.18			
		XE0475		47 (1W)									0.05			
		XE01010	1.0	10 (1W)	47.0	33.5	22.0	43.5					0.15			

*Peak to peak value of pulse condition(Max) is the maximum pulse voltage that is overlapped to line voltage and can apply betweenterminals of spark quencher.

Operating Temperature: -40~+100°C