

RPA SERIES

Single-Phase Filter with Inlet Socket Type for High-Voltage Pulse Noise



FEATURES

- This product provides superior attenuation for both differential mode and common mode noise.
- Amorphous core is used for common mode core to help prevent failure due to pulse noise.
- Leakage current of standard type is 0.5 mA max and also lineup low-leakage current characteristic type is 0.01 mA max.
- Faston terminal #250 (t=0.8mm).

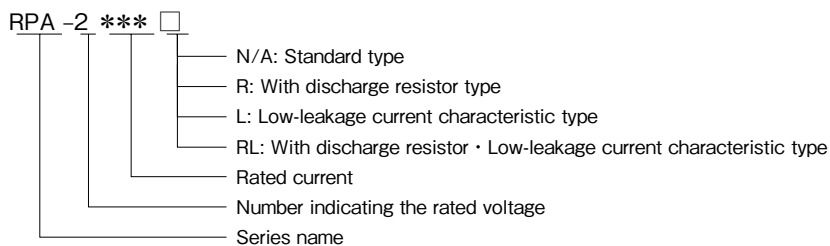
SAFETY STANDARDS

UL1283

CSA C22.2 No.8 (cUL)

EN60939-1/-2 (NEMKO)

PRODUCT IDENTIFICATION



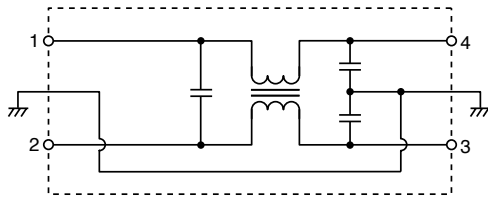
CONFORMITY TO RoHS Directive

web231206

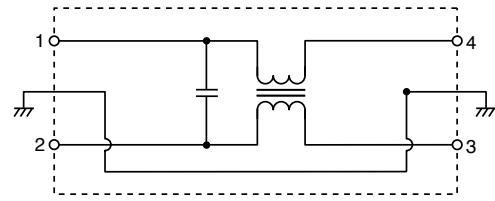
• Faston® is a registered trademark of TE Connectivity.

■ CIRCUIT DIAGRAMS

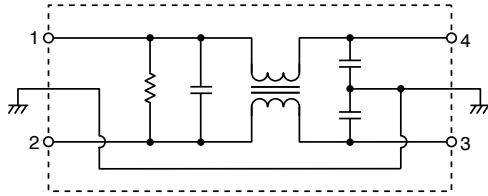
RPA-2 ***



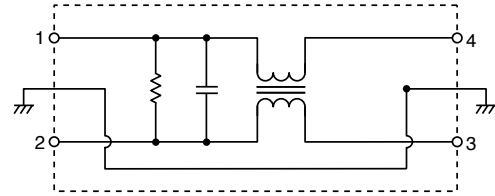
RPA-2 *** L



RPA-2 *** R

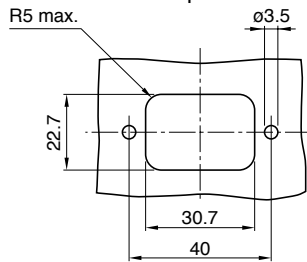


RPA-2 *** RL

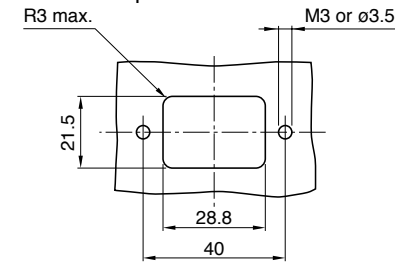


■ PANEL INSTALLATION MEASUREMENT

From back side panel



From front panel



■ ELECTRICAL CHARACTERISTICS

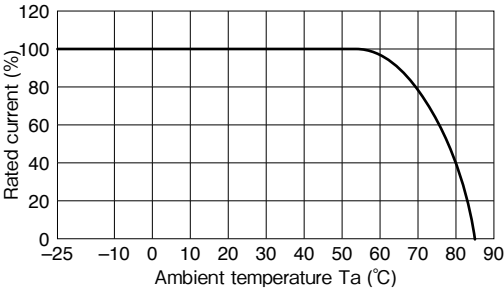
RPA-2 *** / R

Part No.	Rated voltage (AC/DC)	Rated current (AC/DC)	Withstand voltage	Insulation resistance	Leakage current	Operating temperature range	With derating over	DC resistance (mΩ)	Attenuation frequency range (MHz)		Weight (g)		
									Common mode	Differential mode			
									at 25dB	at 25dB			
RPA-2003	250V	3A	AC.1500V	100MΩ min.	0.5mA max.	-25 to +85°C	55°C	150 max.	2 to 30	3 to 30	40		
RPA-2006		6A							60s	3 to 30		5 to 30	
RPA-2003R		3A	[line - earth]						[DC.500V/1min]	2 to 30		3 to 30	40
RPA-2006R		6A								3 to 30		5 to 30	

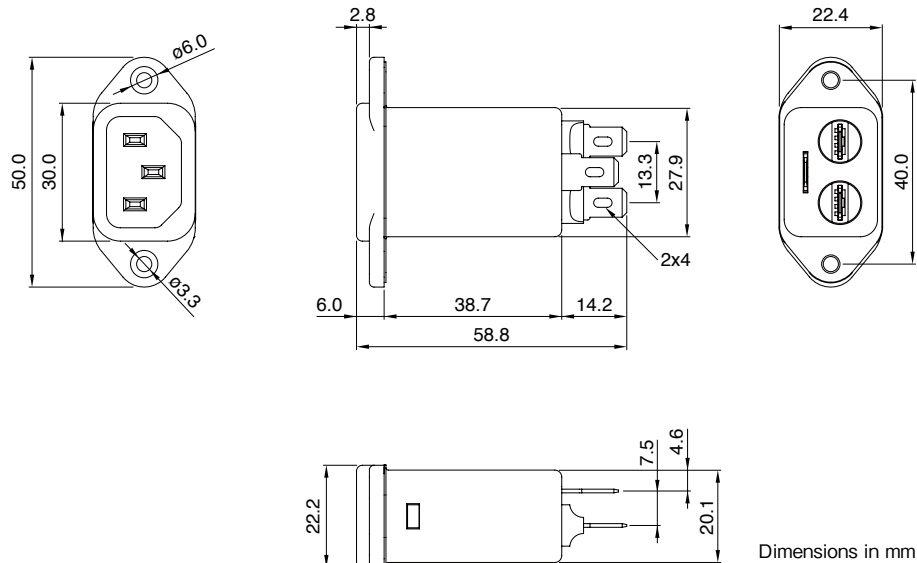
RPA-2 *** L/RL

Part No.	Rated voltage (AC/DC)	Rated current (AC/DC)	Withstand voltage	Insulation resistance	Leakage current	Operating temperature range	With derating over	DC resistance (mΩ)	Attenuation frequency range (MHz)		Weight (g)		
									Common mode	Differential mode			
									at 10dB	at 15dB			
RPA-2003L	250V	3A	AC.1500V	100MΩ min.	0.01mA max.	-25 to +85°C	55°C	150 max.	0.4 to 10	1 to 30	40		
RPA-2006L		6A							60s	0.5 to 8		2 to 30	
RPA-2003RL		3A	[line - earth]						[DC.500V/1min]	0.4 to 10		1 to 30	40
RPA-2006RL		6A								0.5 to 8		2 to 30	

DERATING GRAPH



SHAPES AND DIMENSIONS

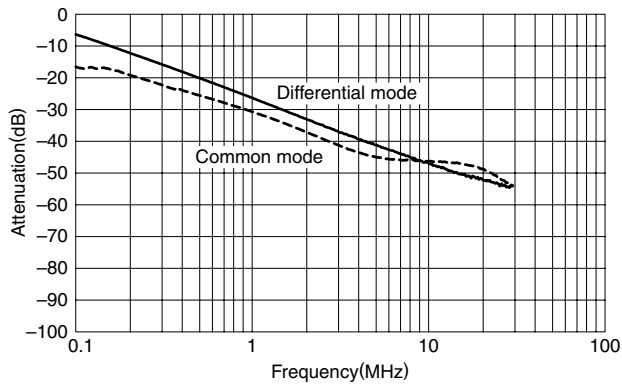


Dimensions in mm

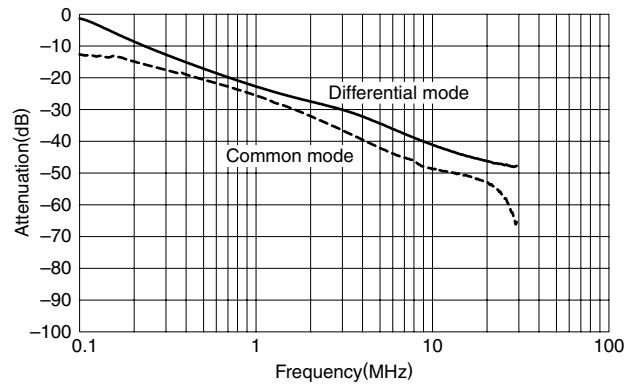
All specifications are subject to change without notice.

ATTENUATION vs. FREQUENCY CHARACTERISTICS

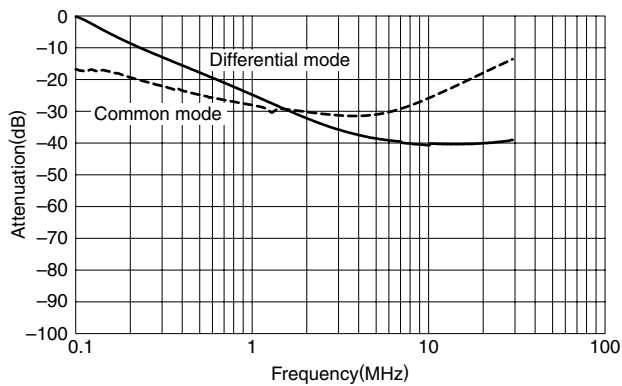
RPA-2003/RPA-2003R



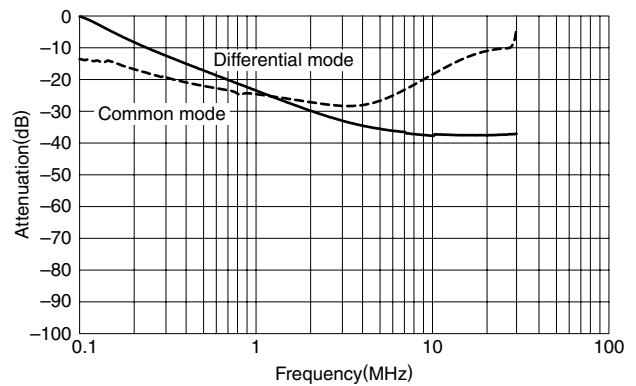
RPA-2006/RPA-2006R



RPA-2003L/RPA-2006RL

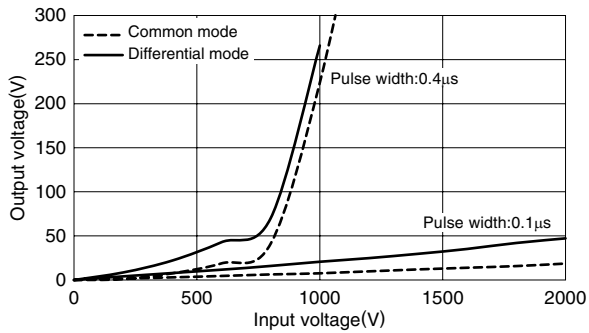


RPA-2006L/RPA-2006RL

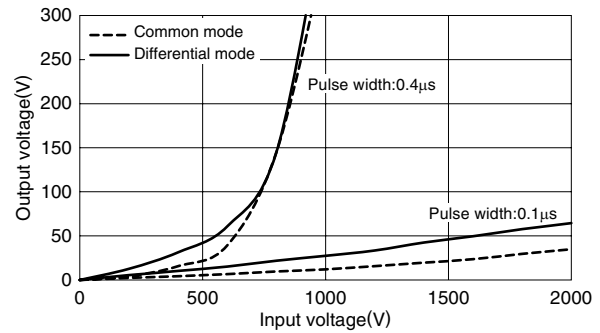


PULSE ATTENUATION CHARACTERISTICS

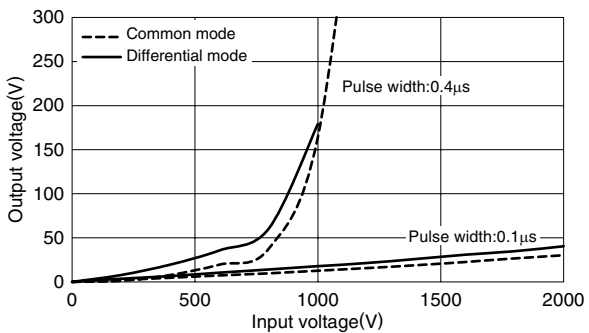
RPA-2003/RPA-2003R



RPA-2006/RPA-2006R



RPA-2003L/RPA-2006RL



RPA-2006L/RPA-2006RL

