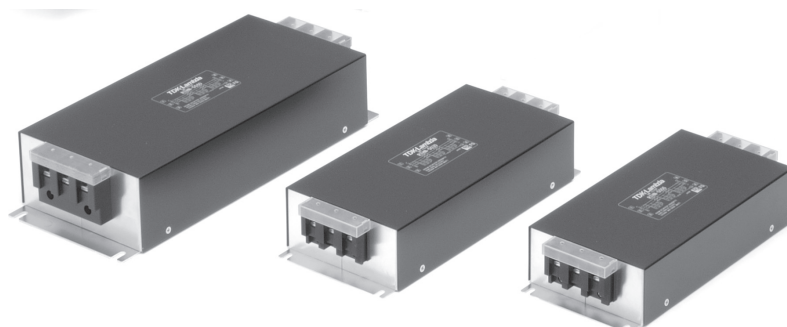


RTMN SERIES

High Attenuation Three-Phase External Noise Prevention Filter (Thin Type for Immunity)



FEATURES

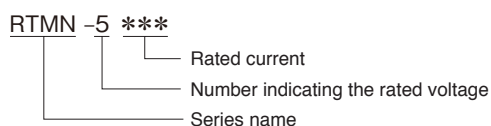
- Self-tightening screws and an open/close type cover make wiring work easier.
- Best for high-voltage pulse noise prevention.
- L2 high attenuation; Prevents external noise.

SAFETY STANDARDS

UL1283

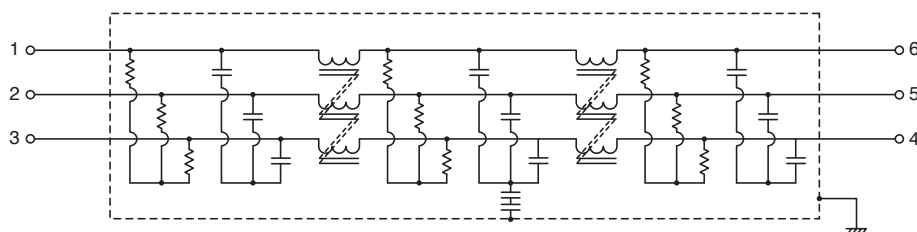
EN60939-1/-2 (ENEC14)

PRODUCT IDENTIFICATION



CONFORMITY TO RoHS Directive

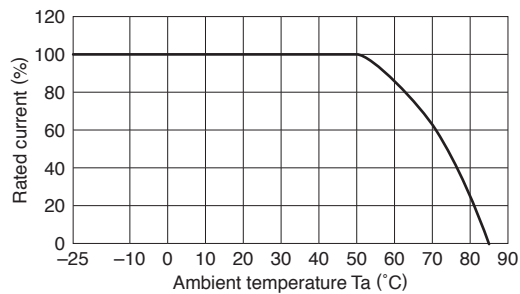
CIRCUIT DIAGRAM



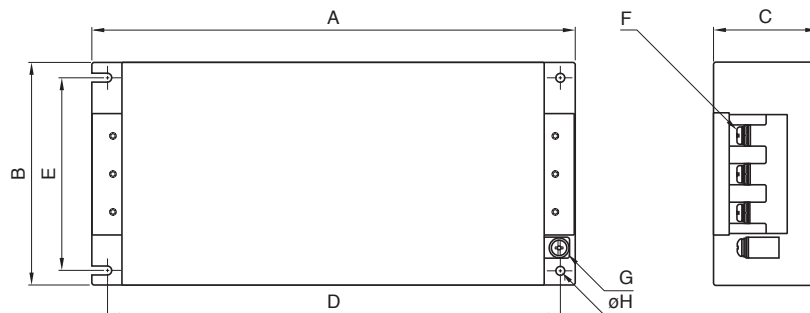
ELECTRICAL CHARACTERISTICS

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 (kg)
									Common mode	Differential mode	
									at 25dB	at 25dB	
RTMN-5006	500V	6A	AC.2500V 60s [Between line to ground]	100MΩ min. [DC.500V/ 1min]	2.5mA max. [250V/60Hz] 5mA max. [500V/60Hz]	-25 to +85°C	50°C	290 max.	0.1 to 20	0.1 to 30	0.67
RTMN-5010		10A						120 max.	0.1 to 20	0.2 to 30	0.70
RTMN-5020		20A						50 max.	0.2 to 20	0.2 to 30	1.00
RTMN-5030		30A						26 max.	0.2 to 20	0.3 to 30	1.00
RTMN-5040		40A						20 max.	0.2 to 20	0.1 to 30	2.05
RTMN-5050		50A						14 max.	0.3 to 20	0.2 to 30	2.05
RTMN-5060		60A						10 max.	0.3 to 20	0.3 to 30	2.05

DERATING GRAPH



MECHANICAL

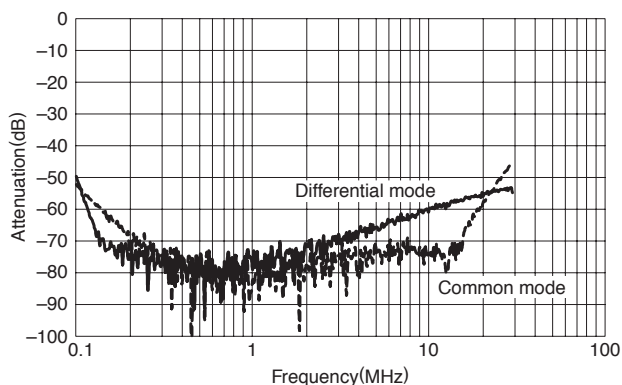


Dimensions in mm

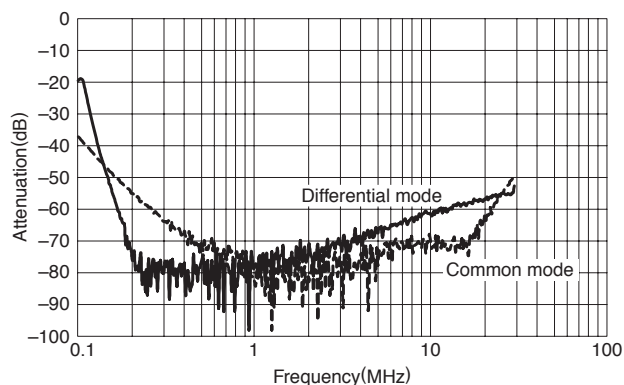
Part No.	A	B	C	D	E	F	G	φ H	Recommended clamping torque
RTMN-5006	210	95	50	195	78	M4	M4	4.5	M4 : 1.27N · m M5 : 2.5N · m
RTMN-5010									
RTMN-5020	240	105	55	225	85	M4	M4	4.5	
RTMN-5030									
RTMN-5040	300	128	68	280	102	M5	M4	5.5	
RTMN-5050									
RTMN-5060									

■ ATTENUATION vs. FREQUENCY CHARACTERISTICS

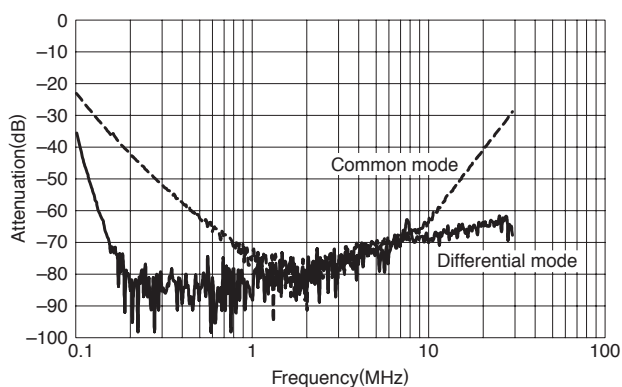
RTMN-5006



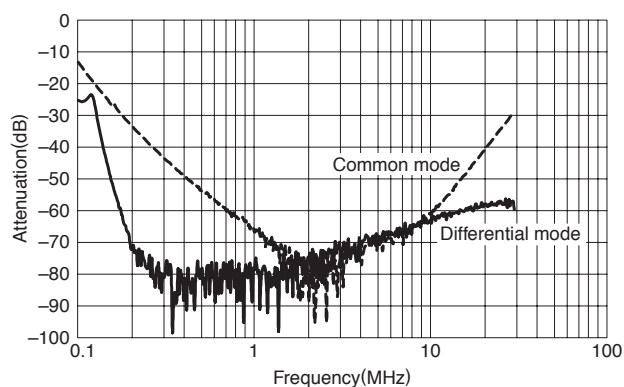
RTMN-5010



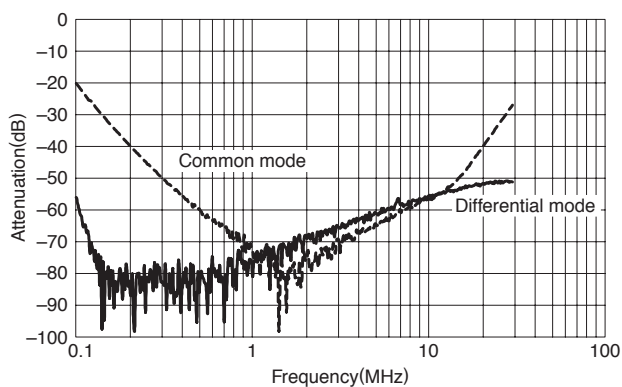
RTMN-5020



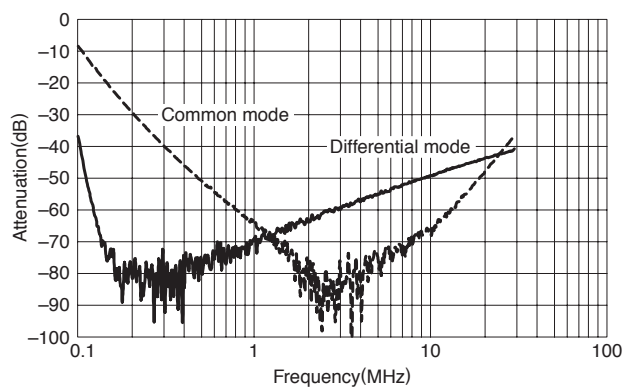
RTMN-5030



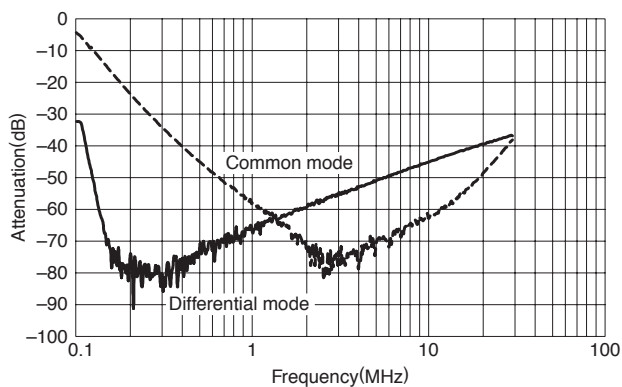
RTMN-5040



RTMN-5050

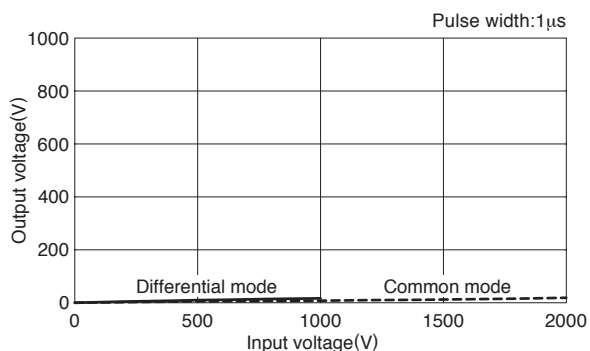


RTMN-5060

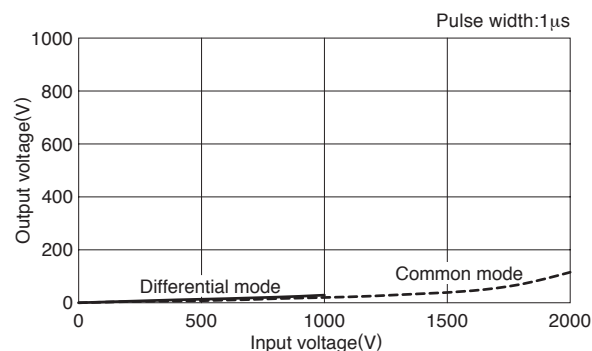


PULSE ATTENUATION CHARACTERISTICS

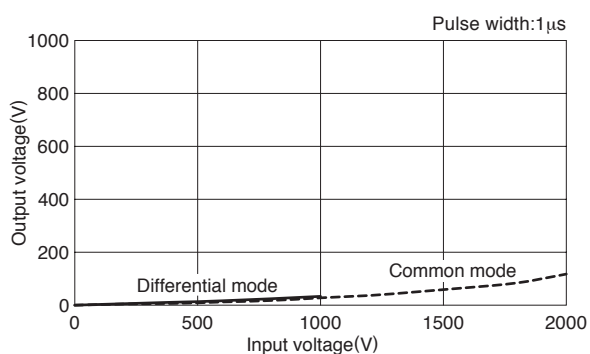
RTMN-5006



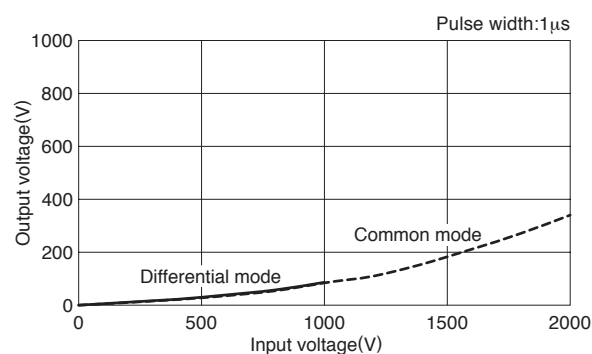
RTMN-5010



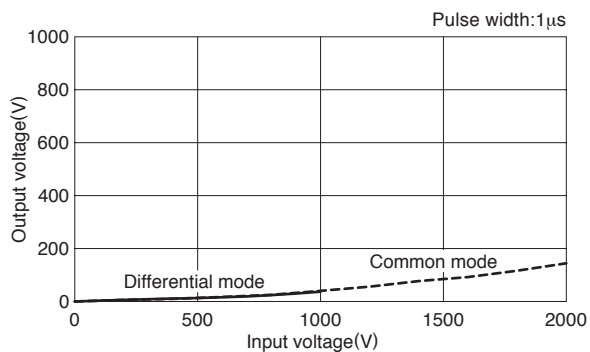
RTMN-5020



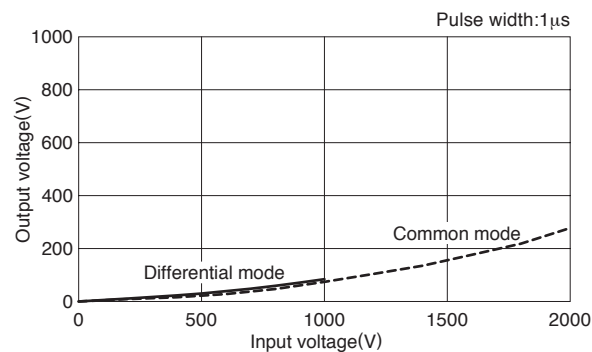
RTMN-5030



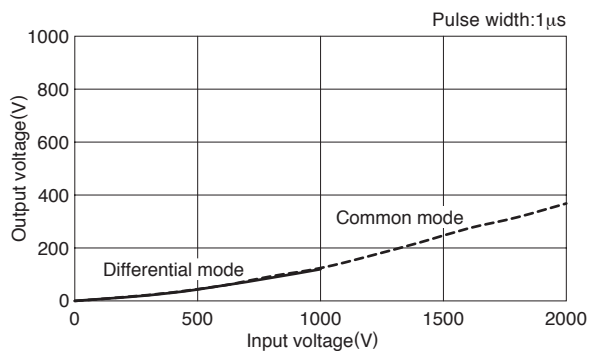
RTMN-5040



RTMN-5050



RTMN-5060



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