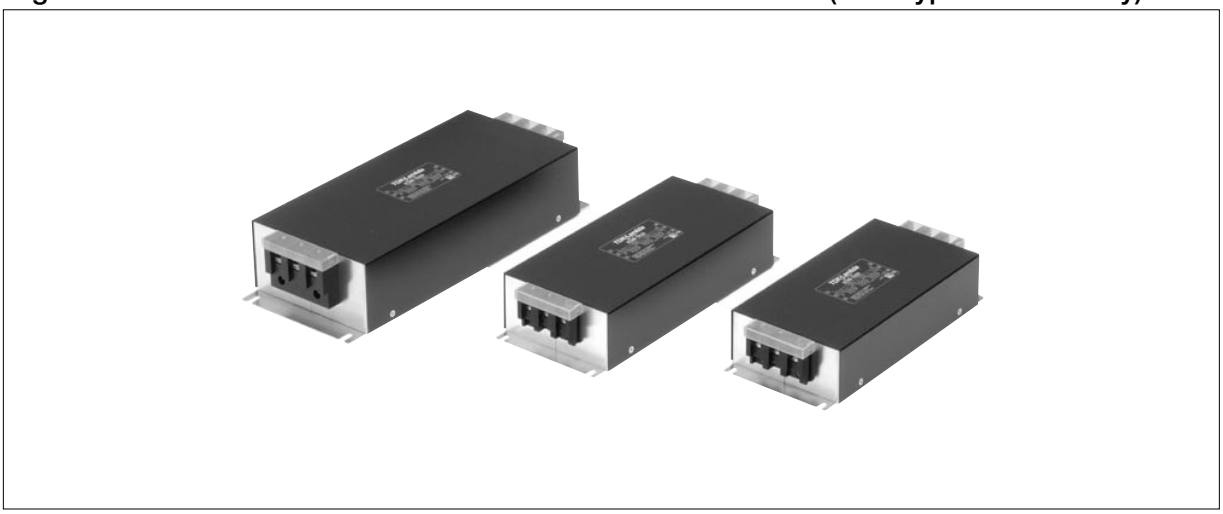
RTMN SERIES

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.
- Compliant with RoHS directives.

■ SAFETY STANDARDS

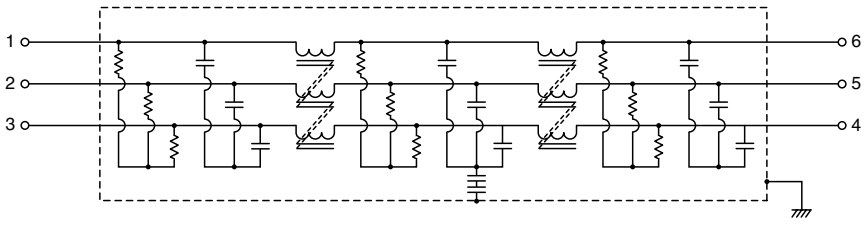
UL1283	File No. E62388
EN60939	Licence Ref. No. SE/07115-4

■ PRODUCT IDENTIFICATION

RTMN –5 ***

- Rated current
- Number indicating the rated voltage
- Series name

■ CIRCUIT DIAGRAM



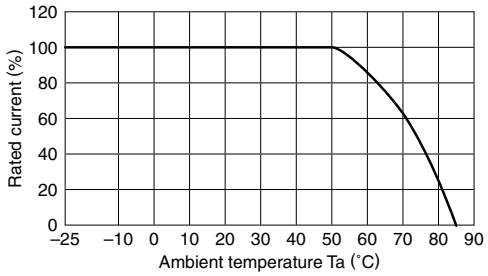
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

- All specifications are subject to change without notice.

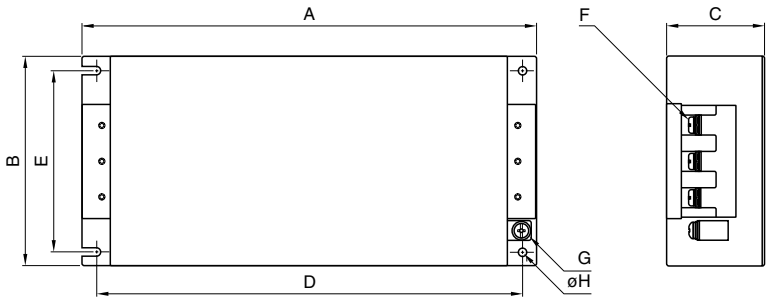
■ ELECTRICAL CHARACTERISTICS

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)	
									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℃	50℃	290 max.	0.1 to 20	0.1 to 30
RTMN-5010		10A						120 max.	0.1 to 20	0.2 to 30
RTMN-5020		20A						50 max.	0.2 to 20	0.2 to 30
RTMN-5030		30A						26 max.	0.2 to 20	0.3 to 30
RTMN-5040		40A						20 max.	0.2 to 20	0.1 to 30
RTMN-5050		50A						14 max.	0.3 to 20	0.2 to 30
RTMN-5060		60A						10 max.	0.3 to 20	0.3 to 30

■ DERATINGS



■ SHAPES AND DIMENSIONS

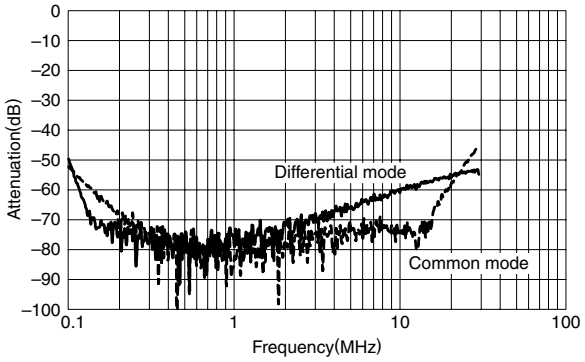


Dimensions in mm

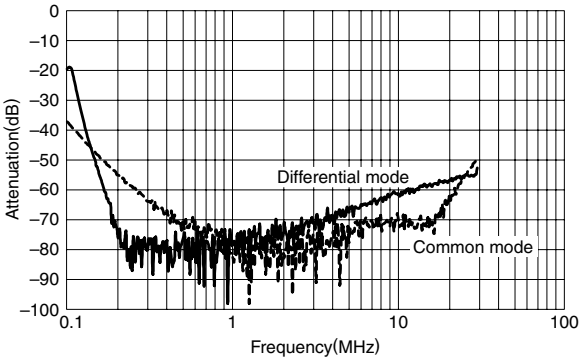
Part No.	A	B	C	D	E	F	G	ϕH	Recommended clamping torque
RTMN-5006	210	95	50	195	78	M4	M4	4.5	M4：1.27N・m M5：2.5N・m
RTMN-5010									
RTMN-5020	240	105	55	225	85	M4	M4	4.5	
RTMN-5030									
RTMN-5040	300	128	68	280	102	M5	M4	5.5	
RTMN-5050									
RTMN-5060									

■ ATTENUATION vs. FREQUENCY CHARACTERISTICS

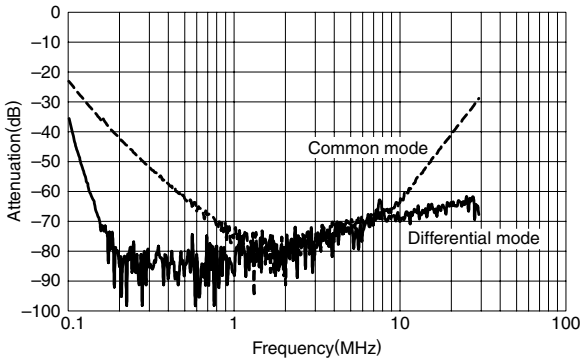
RTMN-5006



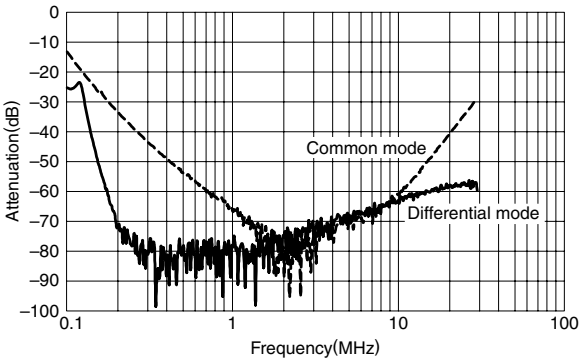
RTMN-5010



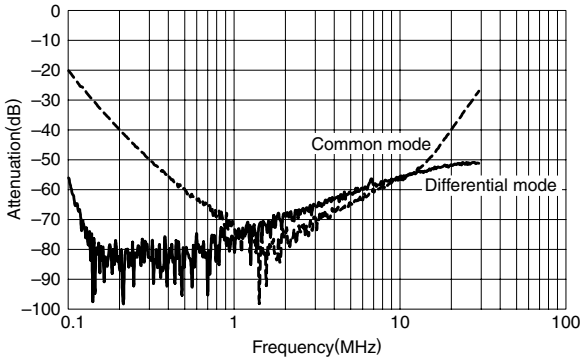
RTMN-5020



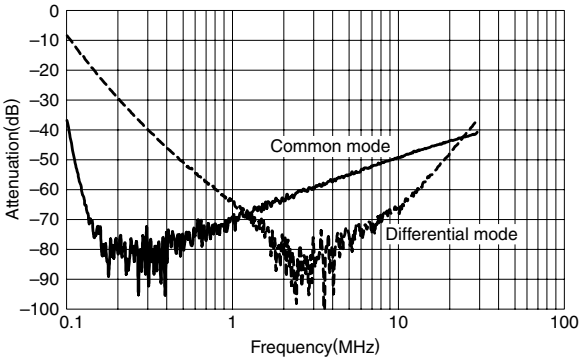
RTMN-5030



RTMN-5040



RTMN-5050



RTMN-5060