

RTHN-2 SERIES

High-Attenuation and Low-leakage Current Three-Phase Filter with Many Current Variations (Thin Type)



FEATURES

- Low-leakage current type.
- 6 to 300A wide range lineup.
- High attenuation, thin type with L2.
- Low-profile design.
- Self-tightening screws and an open/close type cover make wiring work easier.
- Terminal block cover included for safety.

SAFETY STANDARDS

UL1283

UL File No. E62388 (Up to 150A)

EN60939-1/-2 (ENEC14) Licence Ref. No. SE/07115-5

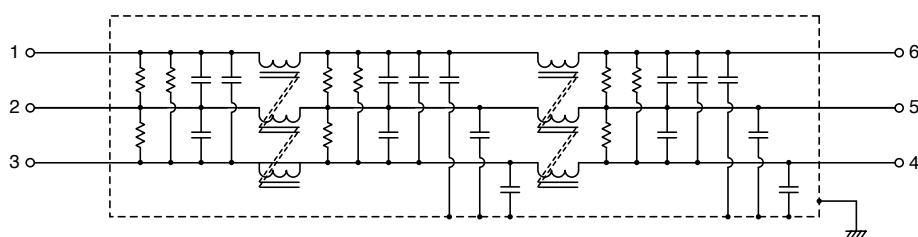
PRODUCT IDENTIFICATION

RTHN -2 ***

Rated current
Number indicating the rated voltage
Series name

CONFORMITY TO RoHS Directive

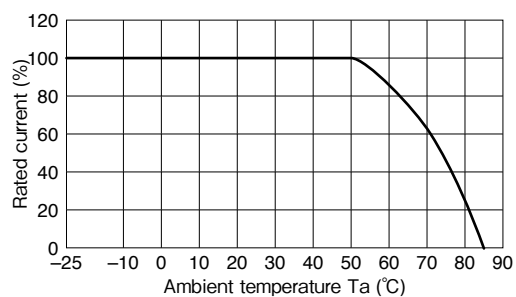
CIRCUIT DIAGRAM



ELECTRICAL CHARACTERISTICS

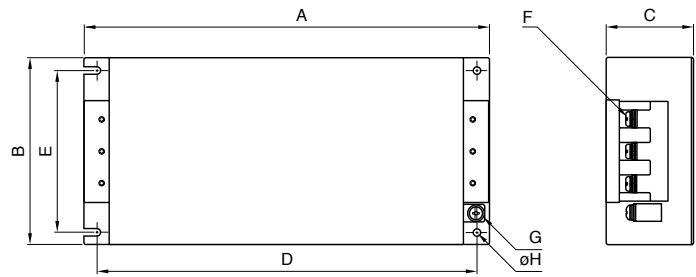
Part No.	Rated voltage (AC/DC)	Rated current (AC/DC)	Withstand voltage	Insulation resistance	Leakage current	Operating temperature range	With derating over	DC resistance (mΩ)	Attenuation frequency range (MHz)		Weight (kg)
									Common mode	Differential mode	
									at 25dB	at 25dB	
RTHN-2006	250V	6A	AC:2000V 60s [line - earth]	100MΩ min. [DC500V/ 1min]	1mA max. [250V/60Hz]	-25 to +85°C	50°C	290max.	0.1 to 30	0.1 to 30	0.7
RTHN-2010		10A						120max.	0.1 to 30	0.1 to 30	0.7
RTHN-2020		20A						50max.	0.2 to 30	0.1 to 30	1.0
RTHN-2030		30A						26max.	0.3 to 30	0.3 to 30	1.0
RTHN-2040		40A						20max.	0.3 to 30	0.2 to 30	2.1
RTHN-2050		50A						14max.	0.4 to 30	0.3 to 30	2.0
RTHN-2060		60A						10max.	0.4 to 30	0.3 to 30	2.0
RTHN-2080		80A						10max.	0.3 to 10	0.1 to 30	7.0
RTHN-2100		100A						8max.	0.3 to 10	0.1 to 30	7.5
RTHN-2150		150A						6max.	0.3 to 10	0.2 to 30	11.6
RTHN-2200		200A						4max.	0.4 to 10	0.2 to 30	15.8
RTHN-2250		250A						3max.	0.5 to 10	0.2 to 30	15.0
RTHN-2300		300A						2max.	2 to 10	0.3 to 30	14.3

DERATING GRAPH

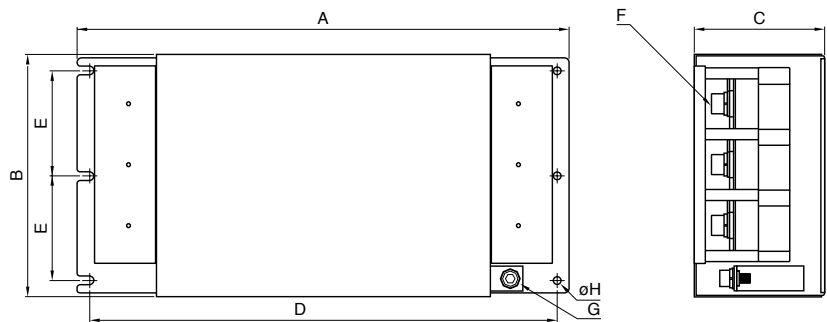


MECHANICAL

RTHN-2006/2010/2020/2030/2040/2050/2060/2080/2100/2150



RTHN-2200/2250/2300

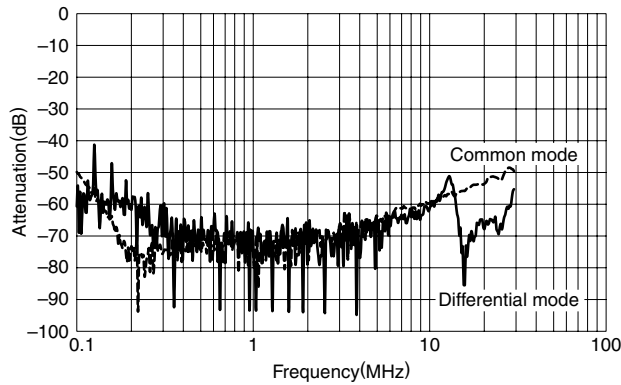


Dimensions in mm

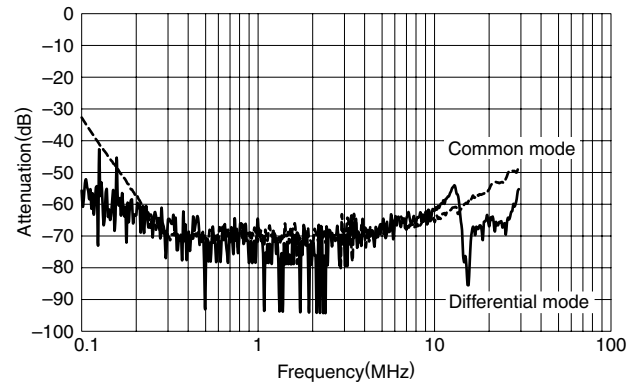
Part No.	A	B	C	D	E	F	G	φ H	Recommended clamping torque
RTHN-2006	210	95	50	195	78	M4	M4	4.5	M4 : 1.27N · m M5 : 2.5N · m M6 : 4.8N · m M8 : 7.64N · m M10 : 11.8N · m
RTHN-2010									
RTHN-2020	240	105	55	225	85	M4	M4		
RTHN-2030									
RTHN-2040	300	128	68	280	102	M5	M4	5.5	
RTHN-2050									
RTHN-2060									
RTHN-2080	430	161	85	410	135	M8	M6	6.5	
RTHN-2100									
RTHN-2150									
RTHN-2200	593	195	103	573	84.5	M10	M8		
RTHN-2250									
RTHN-2300									

ATTENUATION vs. FREQUENCY CHARACTERISTICS

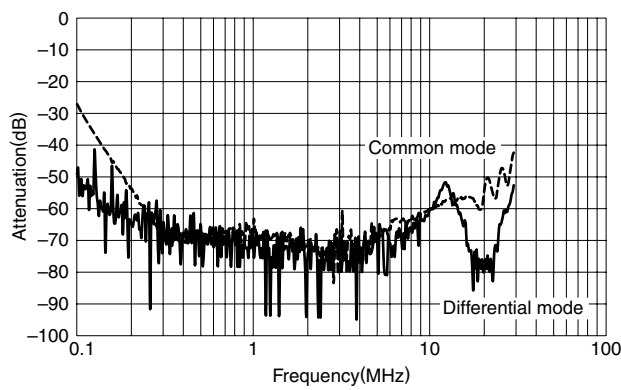
RTHN-2006



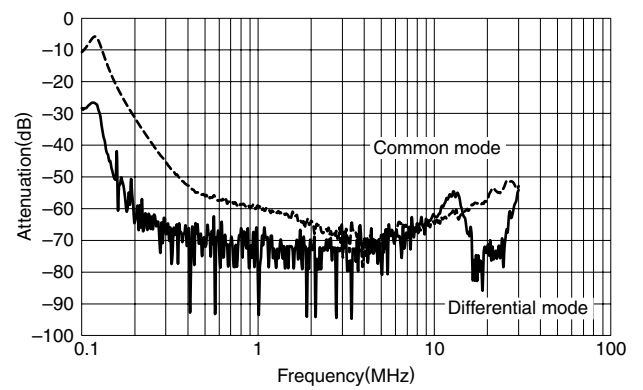
RTHN-2010



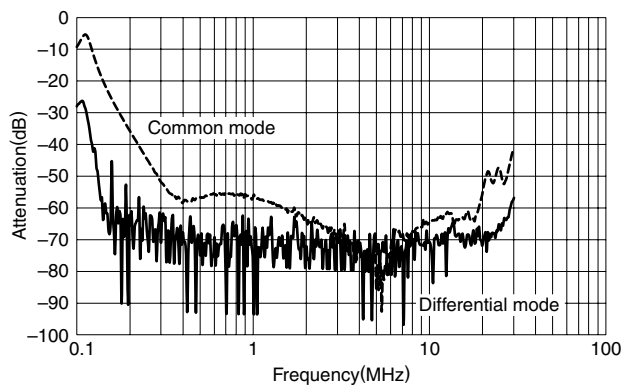
RTHN-2020



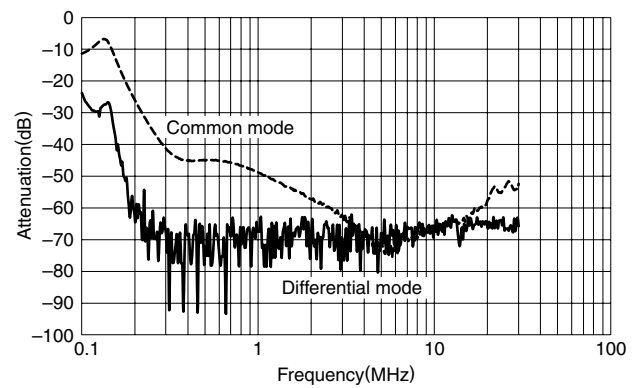
RTHN-2030



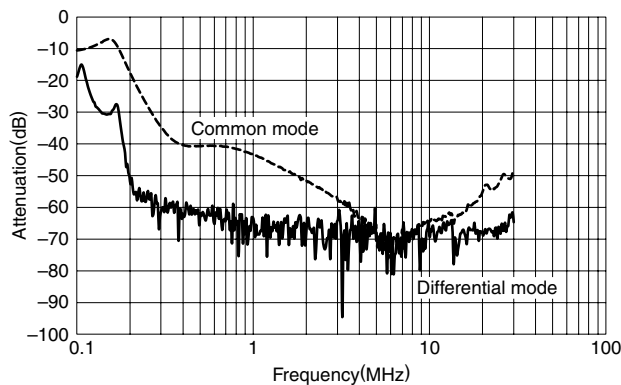
RTHN-2040



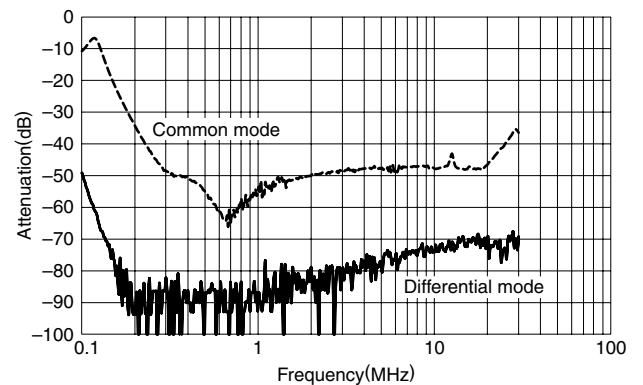
RTHN-2050



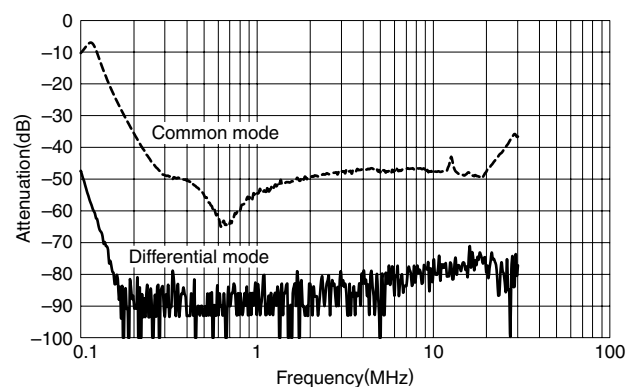
RTHN-2060



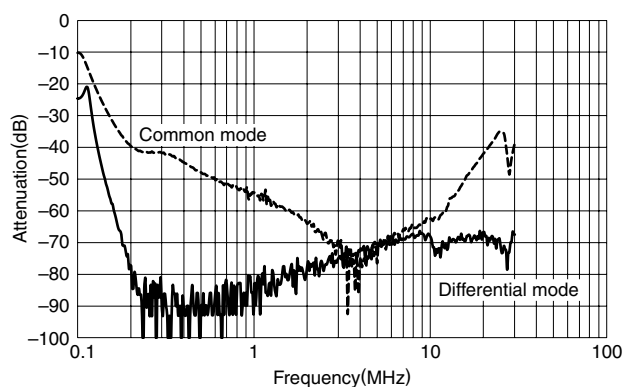
RTHN-2080



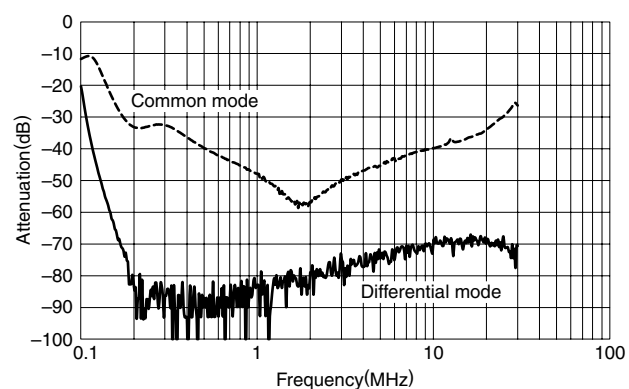
RTHN-2100



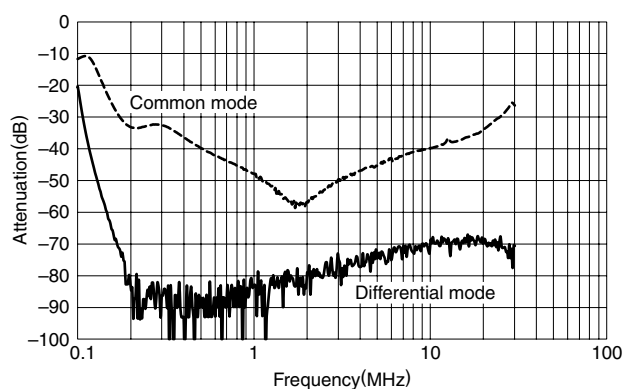
RTHN-2150



RTHN-2200



RTHN-2250



RTHN-2300

