

RTEN-2 SERIES

Multipurpose Low-leakage Current Three-Phase Filter with Many Current Variations



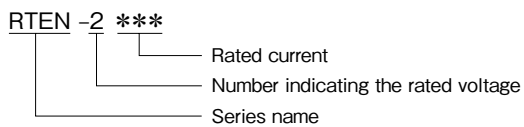
FEATURES

- Low-leakage current type.
- 6 to 300A wide range lineup.
- Small due to L1, light and thin.
- Low-profile design.
- Self-tightening screws and an open/close type cover make wiring work easier.
- Terminal block cover included for safety.

SAFETY STANDARDS

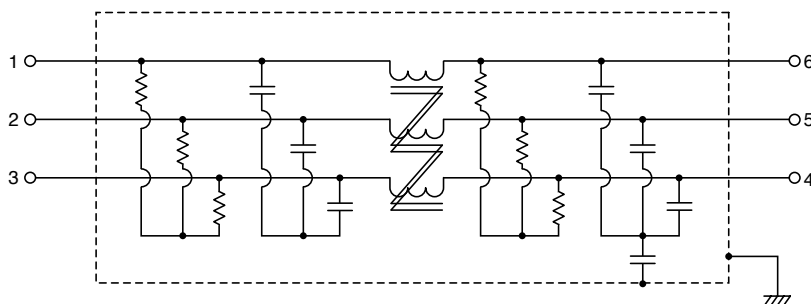
- UL1283 (Up to 150A)
- EN60939-1/-2 (ENEC14)

PRODUCT IDENTIFICATION



CONFORMITY TO RoHS Directive

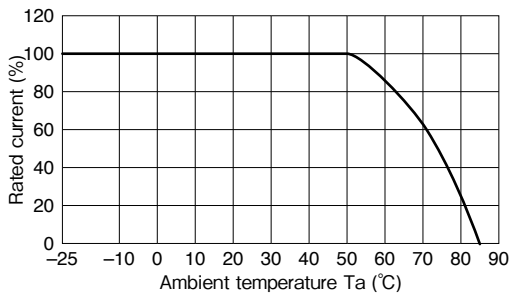
CIRCUIT DIAGRAM



ELECTRICAL CHARACTERISTICS

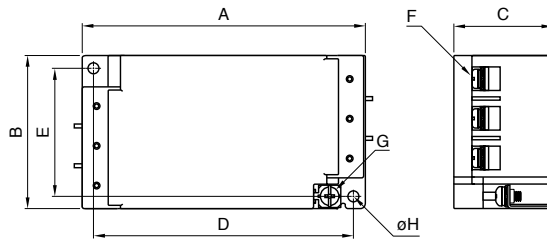
Part No.	Rated voltage (AC/DC)	Rated current (AC/DC)	Withstand voltage	Insulation resistance	Leakage current	Operating temperature range	With derating over	DC resistance (mΩ)	Attenuation frequency range (MHz)			Weight (kg)
									Common mode		Differential mode	
									at 25dB	at 20dB	at 25dB	
RTEN-2006	250V	6A	AC.2000V 60s [line - earth]	100MΩ min. [DC500V/ 1min]	1mA max. [250V/60Hz]	-25 to +85°C	50°C	145max.	0.2 to 10	-	0.2 to 30	0.36
RTEN-2010		10A						60max.	0.3 to 10	-	0.2 to 30	0.36
RTEN-2020		20A						25max.	0.4 to 10	-	0.2 to 30	0.56
RTEN-2030		30A						13max.	-	1 to 10	0.2 to 30	0.56
RTEN-2040		40A						10max.	-	1 to 10	0.2 to 30	1.10
RTEN-2050		50A						7max.	-	2 to 10	0.2 to 30	1.10
RTEN-2060		60A						5max.	-	3 to 10	0.2 to 30	1.10
RTEN-2080		80A						5max.	-	1 to 10	0.2 to 5	3.90
RTEN-2100		100A						4max.	-	1 to 10	0.2 to 5	4.20
RTEN-2150		150A						3max.	-	2 to 9	0.2 to 5	6.50
RTEN-2200		200A						2max.	-	3 to 9	0.2 to 5	9.20
RTEN-2250		250A						1.5max.	-	3 to 9	0.2 to 5	8.70
RTEN-2300		300A						1max.	-	4 to 7	0.2 to 5	8.30

DERATING GRAPH

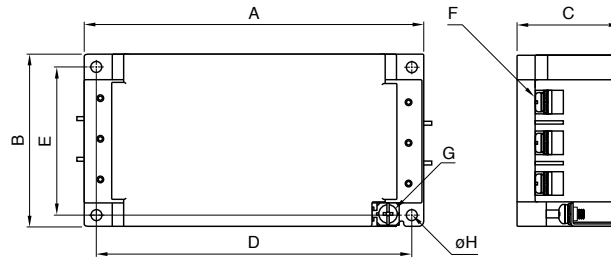


MECHANICAL

RTEN-2006/2010



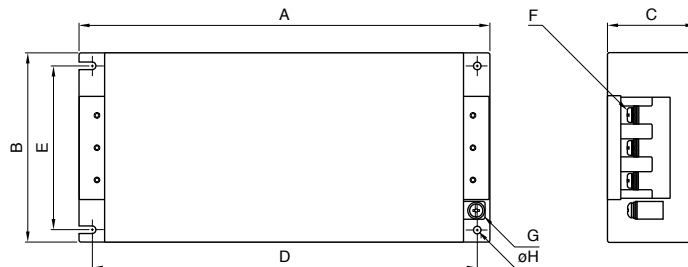
RTEN-2020/2030/2040/2050/2060



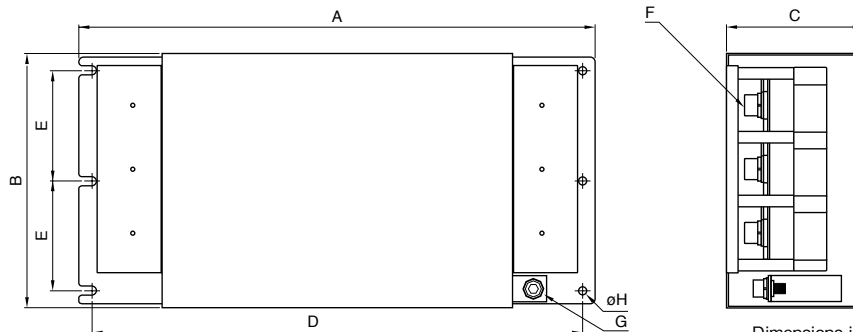
Dimensions in mm

Part No.	A	B	C	D	E	F	G	ϕH	Recommended clamping torque
RTEN-2006	120	63	42	110	53	M4	M4	4.5	M4 : 1.27N · m M5 : 2.5N · m
RTEN-2010									
RTEN-2020	140	70	42	130	60	M4	M4		
RTEN-2030									
RTEN-2040	170	90	54	160	80	M5	M4	4.5	
RTEN-2050									
RTEN-2060									

RTEN-2080/2100/2150



RTEN-2200/2250/2300

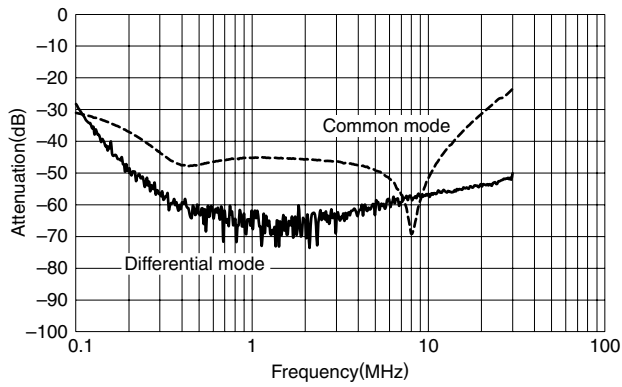


Dimensions in mm

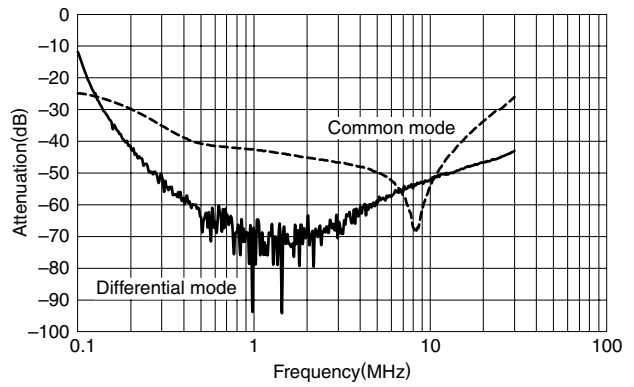
Part No.	A	B	C	D	E	F	G	ϕH	Recommended clamping torque
RTEN-2080	267	161	85	247	135	M8	M6	6.5	M6 : 4.8N · m M8 : 7.64N · m
RTEN-2100									
RTEN-2150	290	190	88	270	164	M8	M6	6.5	
RTEN-2200									
RTEN-2250									
RTEN-2300	390	195	103	370	84.5	M10	M8	6.5	M10 : 11.8N · m

■ ATTENUATION vs. FREQUENCY CHARACTERISTICS

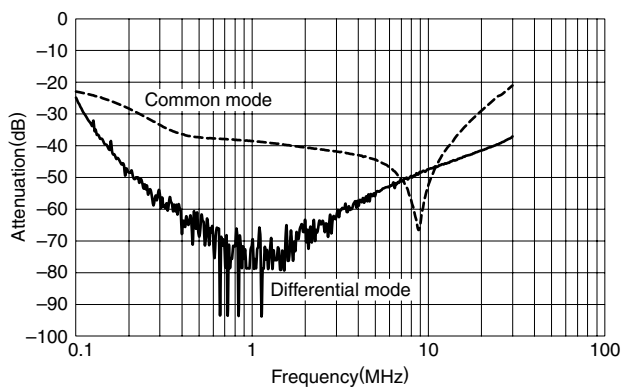
RTEN-2006



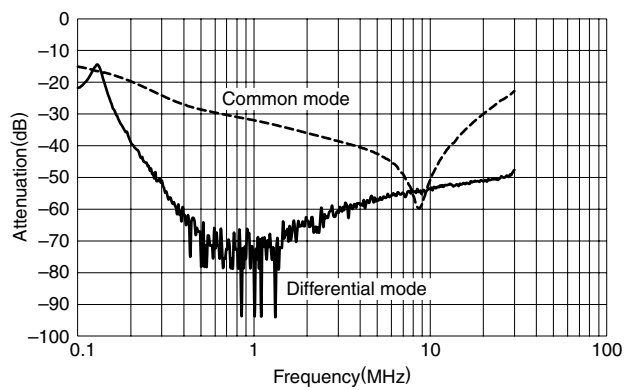
RTEN-2010



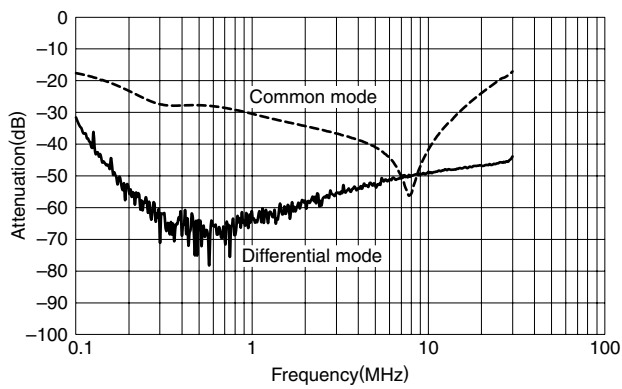
RTEN-2020



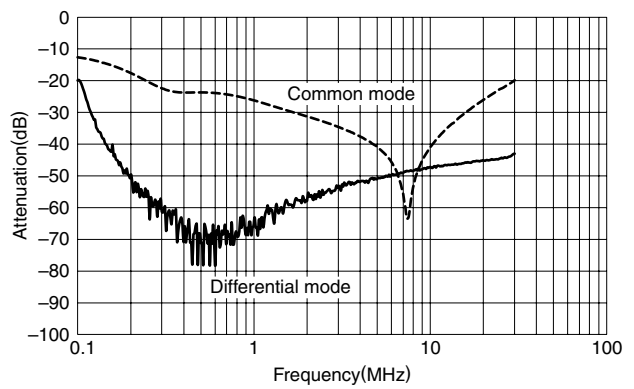
RTEN-2030



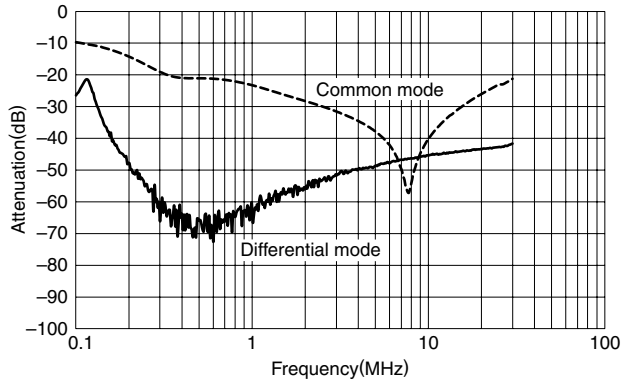
RTEN-2040



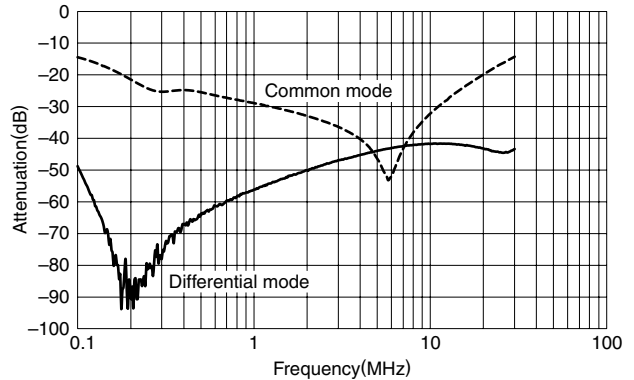
RTEN-2050



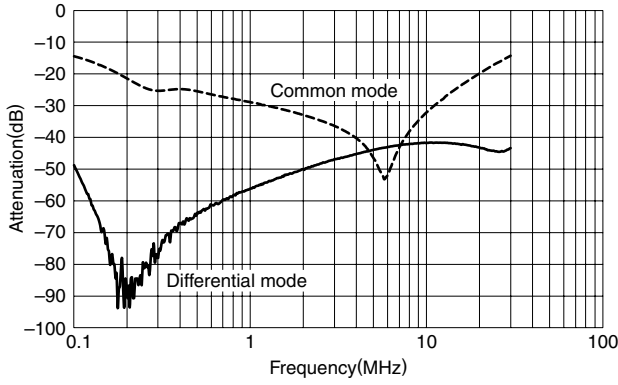
RTEN-2060



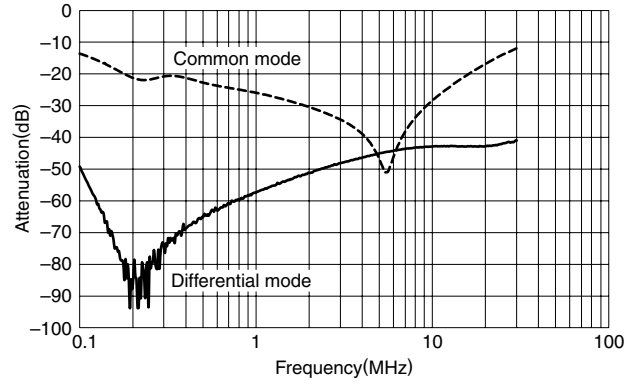
RTEN-2080



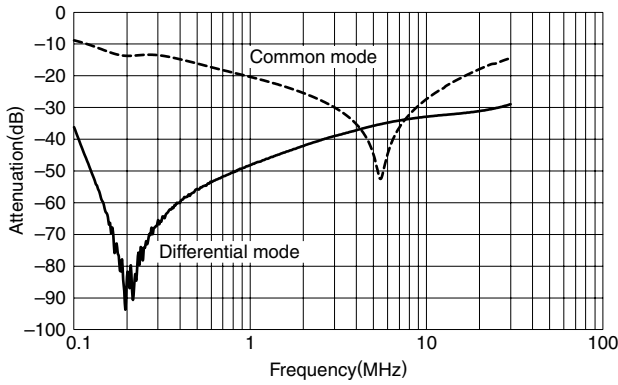
RTEN-2100



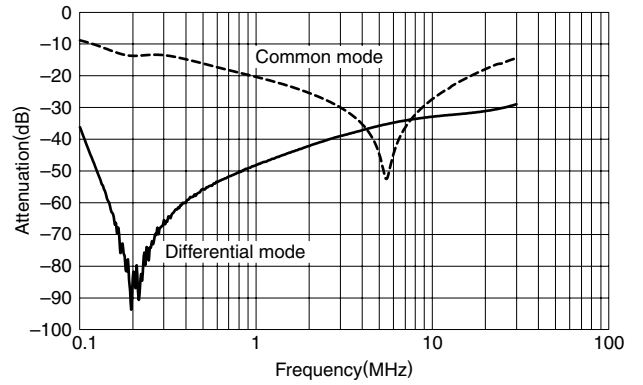
RTEN-2150



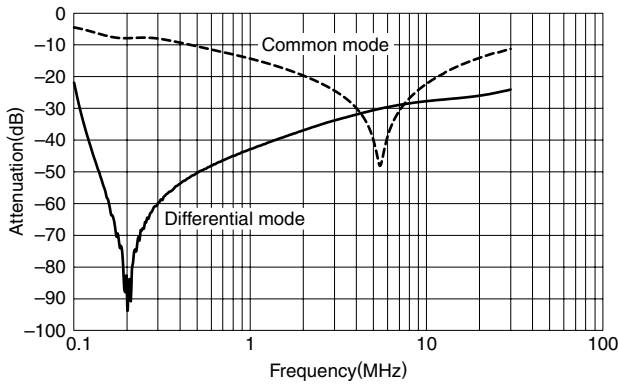
RTEN-2200



RTEN-2250



RTEN-2300



Mouser Electronics

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