



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RTHC SERIES

High Attenuation Three-Phase Filter with Many Current Variations (Cube Type)



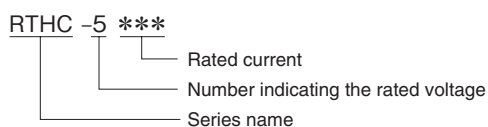
FEATURES

- 6 to 300A wide range lineup.
- Cube shape with L2 high attenuation .
- Small base and short connection width.
- Self-tightening screws and an open/close type cover make wiring work easier.
- Terminal block cover included for safety.
- Compliant with RoHS directives.

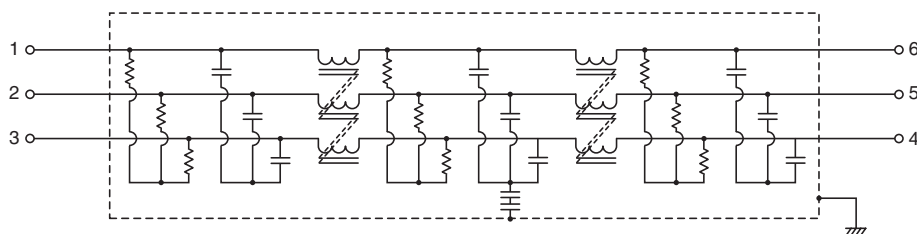
SAFETY STANDARDS

UL1283 File No. E62388 (Up to 150A)
 EN60939 Licence Ref. No. SE/07115-4

PRODUCT IDENTIFICATION



CIRCUIT DIAGRAM



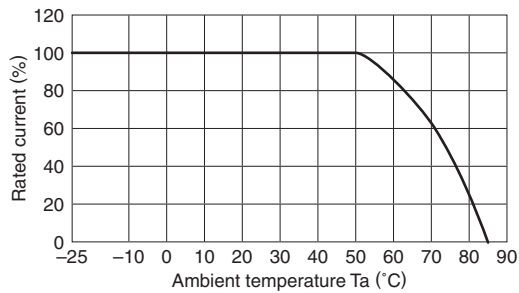
• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

ELECTRICAL CHARACTERISTICS

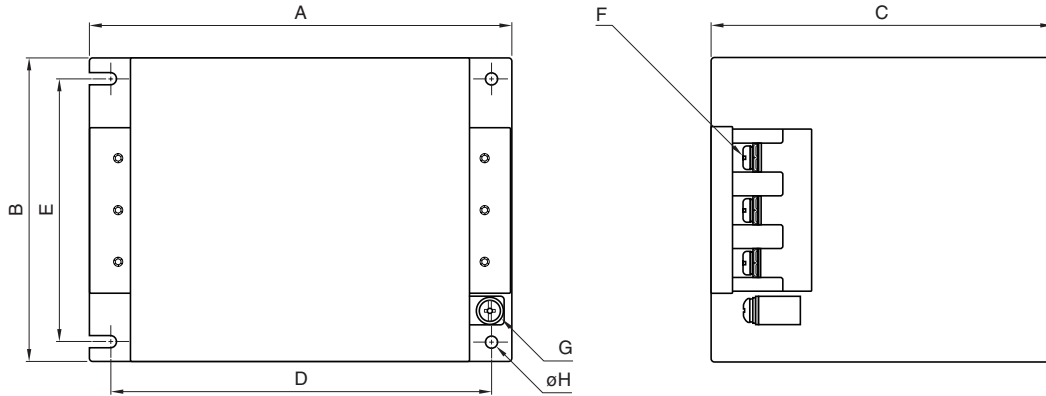
Part No.	Rated voltage (AC/DC)	Rated current (AC/DC)	Withstand voltage	Insulation resistance	Leakage current	Operating temperature range	With derating over	DC resistance (mΩ)	Attenuation frequency range (MHz)		Weight (kg)
									Common mode	Differential mode	
									at 25dB	at 25dB	
RTHC-5006	500V	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 10	0.2 to 30	0.80
RTHC-5010		10A						120 max.	0.1 to 10	0.2 to 30	0.82
RTHC-5020		20A						50 max.	0.1 to 10	0.2 to 30	1.20
RTHC-5030		30A						26 max.	0.2 to 10	0.2 to 30	1.20
RTHC-5040		40A						20 max.	0.2 to 10	0.2 to 30	2.26
RTHC-5050		50A						14 max.	0.2 to 10	0.2 to 30	2.26
RTHC-5060		60A						10 max.	0.2 to 10	0.2 to 30	2.26
RTHC-5080		80A						10 max.	0.1 to 10	0.2 to 30	7.40
RTHC-5100		100A						8 max.	0.1 to 10	0.2 to 30	7.80
RTHC-5150		150A						6 max.	0.1 to 10	0.2 to 30	12.00
RTHC-5200		200A						4 max.	0.3 to 20	0.2 to 30	16.30
RTHC-5250		250A						3 max.	0.3 to 10	0.2 to 30	15.60
RTHC-5300		300A						2 max.	0.5 to 6	0.2 to 30	14.80

DERATINGS

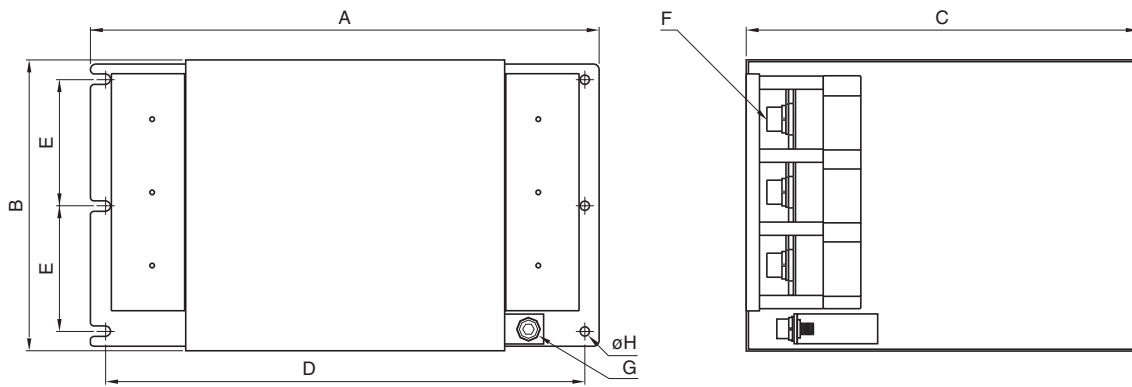


■ SHAPES AND DIMENSIONS

RTHC-5006/5010/5020/5030/5040/5050/5060/5080/5100/5150



RTHC-5200/5250/2300

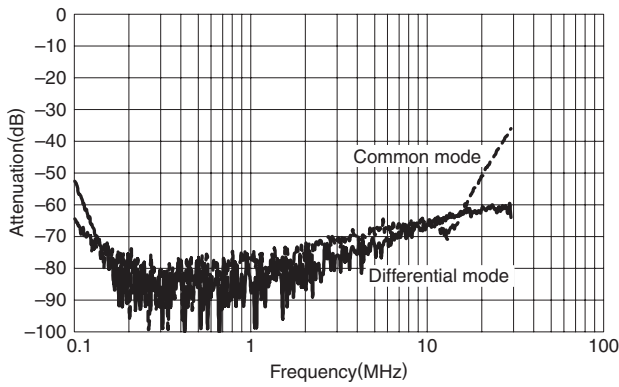


Dimensions in mm

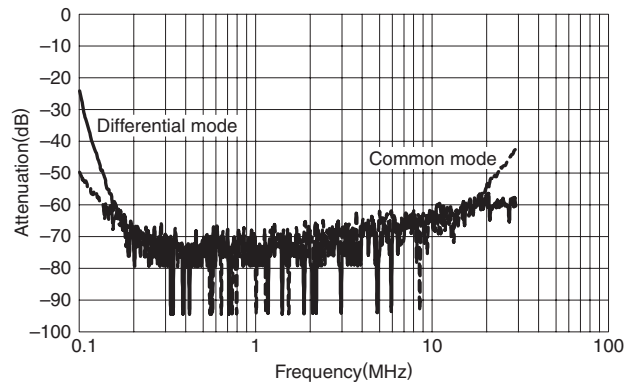
Part No.	A	B	C	D	E	F	G	ϕH	Recommended clamping torque
RTHC-5006	145	95	120	130	78	M4	M4	4.5	M4 : 1.27N · m M5 : 2.5N · m M6 : 4.8N · m M8 : 7.64N · m M10 : 11.8N · m
RTHC-5010									
RTHC-5020	160	105	135	145	85	M4	M4		
RTHC-5030									
RTHC-5040	190	128	160	170	102	M5	M4	5.5	
RTHC-5050									
RTHC-5060									
RTHC-5080	240	161	210	220	135	M8	M6	6.5	
RTHC-5100									
RTHC-5150	255	190	232	235	164	M8	M6	6.5	
RTHC-5200									
RTHC-5250	340	195	262	320	84.5	M10	M8	6.5	
RTHC-5300									

ATTENUATION vs. FREQUENCY CHARACTERISTICS

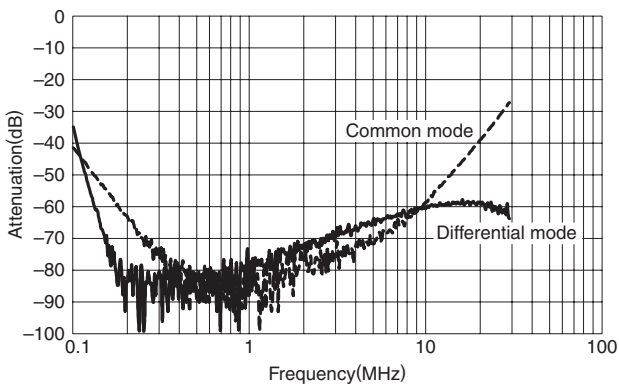
RTHC-5006



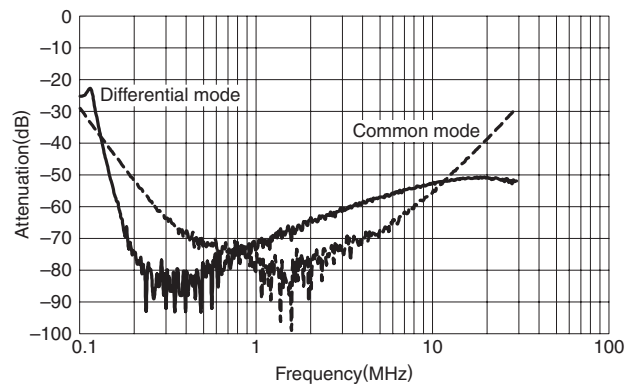
RTHC-5010



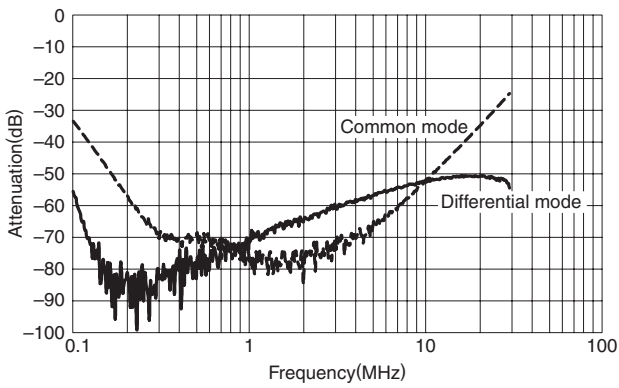
RTHC-5020



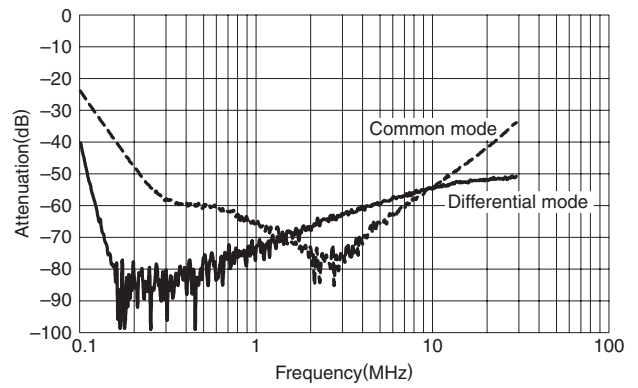
RTHC-5030



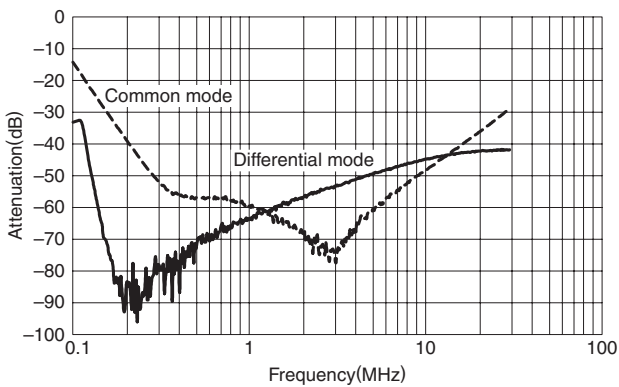
RTHC-5040



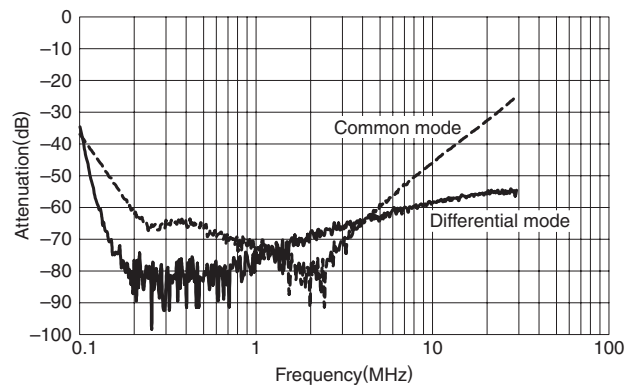
RTHC-5050



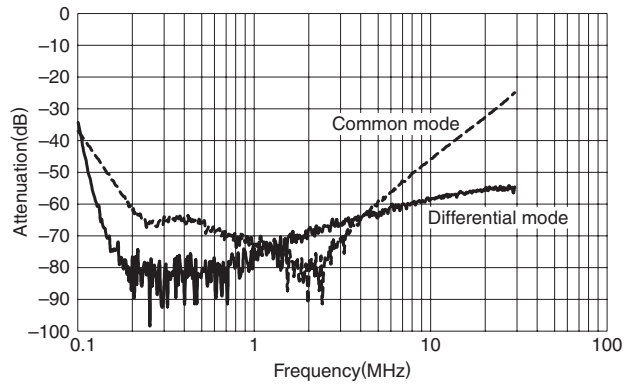
RTHC-5060



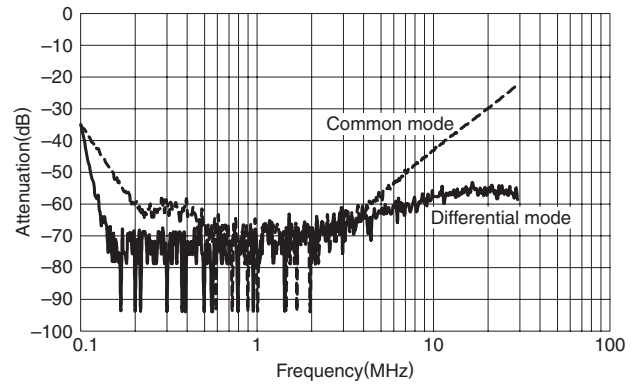
RTHC-5080



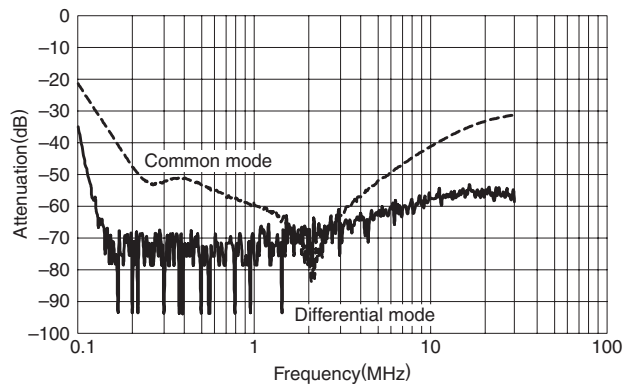
RTHC-5100



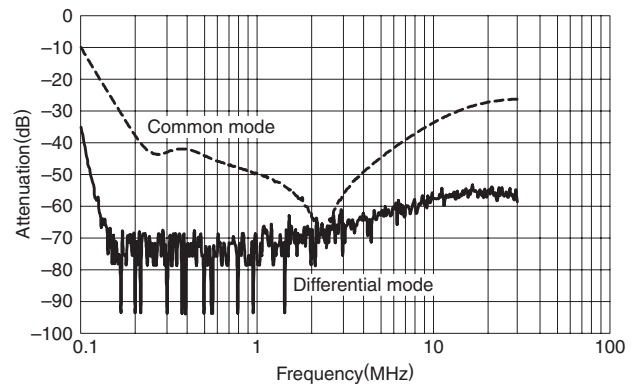
RTHC-5150



RTHC-5200



RTHC-5250



RTHC-5300

