

6A to 1000A, 500VAC EMI Filters

Features

- ◆ Two Stage Filter for Better Performance
- ◆ Low Profile
- ◆ Conforms to UL and EN Safety Agency Certifications



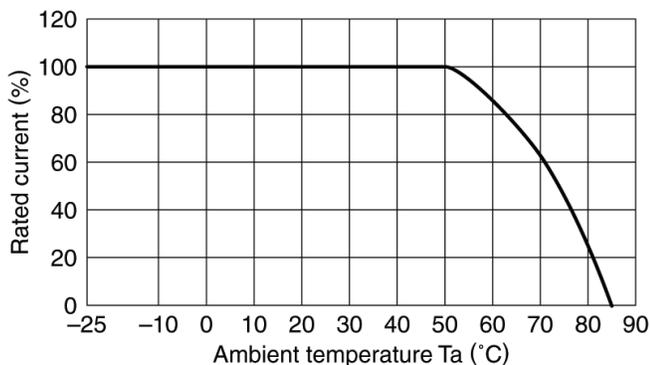
Key Market Segments & Applications



Specifications

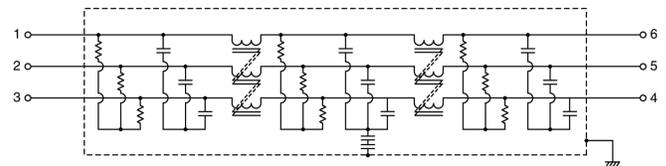
Model		RTHN-5006	RTHN-5010	RTHN-5020	RTHN-5030	RTHN-5040	RTHN-5050
Rated Voltage (AC, DC)	V	500V Three phase					
Rated Current	A	6A	10A	20A	30A	40A	50A
DC Resistance (total)	mΩ	290	120	50	25	20	14
Model		RTHN-5060	RTHN-5080	RTHN-5100	RTHN-5150	RTHN-5200	RTHN-5250
Rated Voltage (AC, DC)	V	500V Three phase					
Rated Current	A	60A	80A	100A	150A	200A	250A
DC Resistance (total)	mΩ	10	10	8	6	4	3
Model		RTHN-5300	RTHN-5400	RTHN-5600	RTHN-5A00		
Rated Voltage (AC, DC)	V	500V Three phase					
Rated Current	A	300A	400A	600A	1000A		
DC Resistance (total)	mΩ	2	0.2	0.3	0.5		
Withstand Voltage	V	Terminals to Case: 2500VAC (1 Minute)					
Isolation Resistance	MΩ	100MΩ minimum (500VDC, 1 Minute)					
Leakage Current (max)	mA	6A to 300A Models: 2.5mA at 250VAC 60Hz, 5mA at 500VAC 60Hz 400A to 1000A Models: 17.5mA at 250VAC 60Hz, 35mA at 500VAC 60Hz					
Operating Temperature	°C	-25 to +85°C (Derate above 50°C, see derating curve)					
Storage Temperature	°C	-25 to +85°C					
Safety Agency Certifications	-	UL1283 (Up to 150A) & EN60939 (Up to 300A)					
Weight	g	700g to 18000g model dependant (See weights chart on website)					
Warranty	yr	1 Year					

Derating

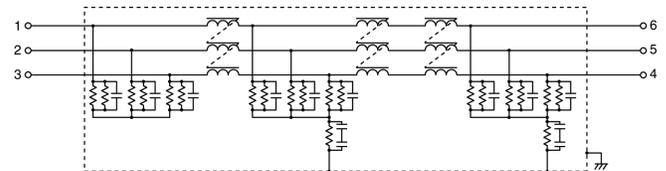


Circuit

RTHN-5006/5010/5020/5030/5040/5050/5060/5080/5100/5150/5200/5250/5300



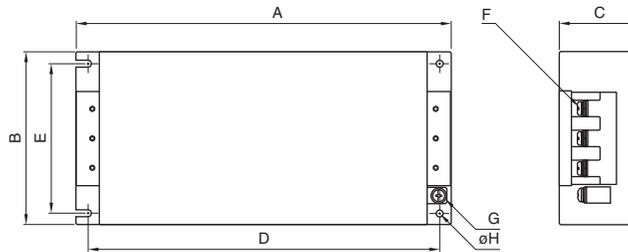
RTHN-5400/5600/5A00



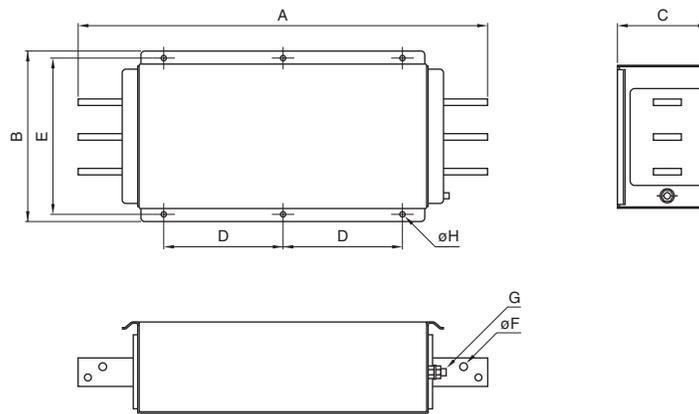
Outline Drawing

RTHN-5006/5010/5020/5030/5040/5050/5060/5080/5

100/5150/5200/5250/5300



RTHN-5400/5600/5A00



Dimensions in mm

Part No.	A	B	C	D	E	F	G	H	Recommended clamping torque
RTHN-5006	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 M12 14.0N m
RTHN-5010									
RTHN-5020									
RTHN-5030	240	105	55	225	85	M4	M4		
RTHN-5040									
RTHN-5050									
RTHN-5060	300	128	68	280	102	M5	M4	5.5	
RTHN-5080									
RTHN-5100									
RTHN-5150	473	190	88	453	164	M8	M6	6.5	
RTHN-5200									
RTHN-5250									
RTHN-5300	593	195	103	573	169	M10	M8	6.5	
RTHN-5400									
RTHN-5600									
RTHN-5A00	610	300	160	210	275	13	M12	9.0	
RTHN-5A00	610								

For Additional Information, please visit us.tdk-lambda.com/lp/products/r-series.htm

