

6A to 300A, 500VAC EMI Filters

Features

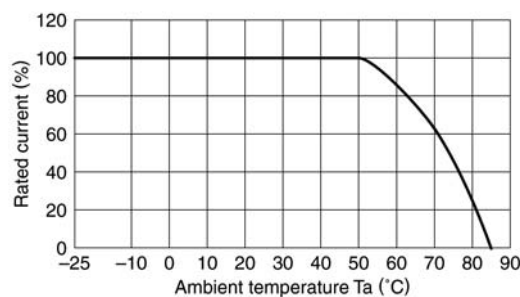
- ◆ Designed for Secondary Side Three Phase Inverters
- ◆ Low Profile
- ◆ Conforms to UL and EN Safety Agency Certifications



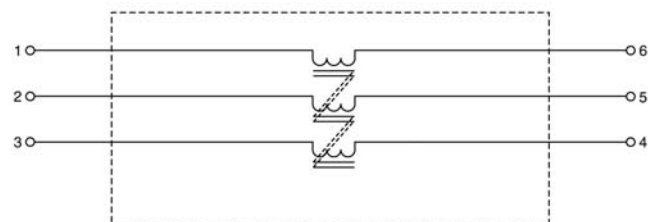
Specifications

Model		RTCN-5006	RTCN-5010	RTCN-5020	RTCN-5030	RTCN-5040
Rated Voltage (AC, DC)	V	500V Three phase				
Rated Current	A	6A	10A	20A	30A	40A
DC Resistance (total)	mΩ	145	60	25	13	10
Model		RTCN-5050	RTCN-5060	RTCN-5080	RTCN-5100	RTCN-5150
Rated Voltage (AC, DC)	V	500V Three phase				
Rated Current	A	50A	60A	80A	100A	150A
DC Resistance (total)	mΩ	7	5	5	4	3
Model		RTCN-5200	RTCN-5250	RTCN-5300		
Rated Voltage (AC, DC)	V	500V Three phase				
Rated Current	A	200A	250A	300A		
DC Resistance (total)	mΩ	4	3	2		
Withstand Voltage	V	Terminals to Case: 2500VAC (1 Minute)				
Isolation Resistance	MΩ	100MΩ minimum (500VDC, 1 Minute)				
Leakage Current (max)	mA	Not applicable				
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				
Weight	g	300g to 8900g model dependant (See weights chart on website)				
Warranty	yr	1 Year				

Derating

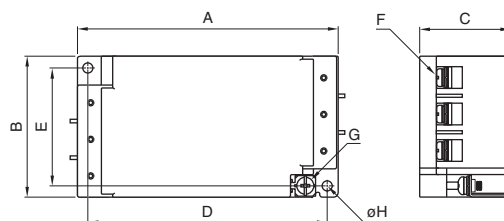


Circuit

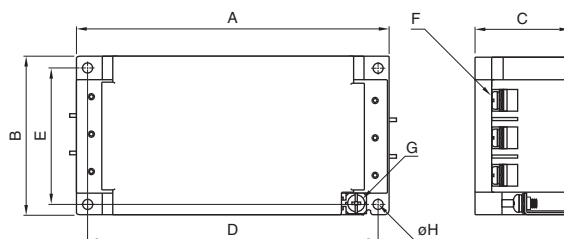


Outline Drawing

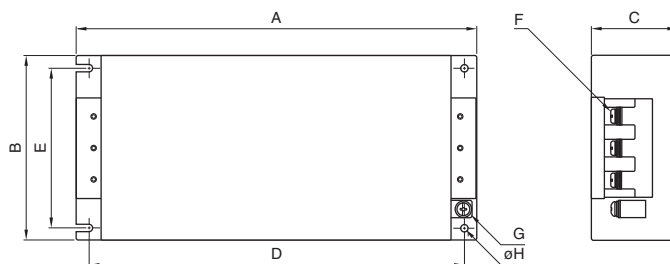
RTCN-5006/5010



RTCN-5020/5030/5040/5050/5060



RTCN-5080/5100/5150/5200/5250/5300



Dimensions in mm

Part No.	A	B	C	D	E	F	G	H	Recommended clamping torque
RTCN-5006	120	63	42	110	53	M4	M4	4.5	M4 1.27N m M5 2.5N m M6 4.8N m M8 7.64N m M10 11.8N m
RTCN-5010									
RTCN-5020	140	70	42	130	60	M4	M4	4.5	
RTCN-5030									
RTCN-5040	170	90	54	160	80	M5	M4	4.5	
RTCN-5050									
RTCN-5060									
RTCN-5080	267	161	85	247	135	M8	M6	6.5	
RTCN-5100									
RTCN-5150	290	190	88	270	164	M8	M6	6.5	
RTCN-5200	390	195	103	370	169	M10	M8	6.5	
RTCN-5250									
RTCN-5300									

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



Mouser Electronics

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