Roxburgh RID Series EMI Filters

Single-phase Power Entry Module with Filter

The Roxburgh RID Series Power Entry Modules are general purpose single-stage filters specifically designed as line filters for 120/240 VAC devices. They provide good performance for both

common mode and differential mode interference and are rated at 250V. These filters are designed to be throughhole mounted in a cabinet or enclosure.

Features

- Rated at 0-250 VAC, 0-60 Hz, single-phase
- 1A 10A models
- Metal case, miniature type
- · Through-hole mount flange
- 1/4" quick disconnect terminals

Filter performance curves are available on item page at www.AutomationDirect.com

Applications

- Ideally suited for products that must conform to part 15, FCC regulations
- Digital electronics
- Personal computers and peripherals
- · Measuring instruments
- Small equipment applications
- Monitors and display devices

Standards and **Certifications**



* RID-1042-H is not CSA





RID Module



RID Module Protective Sleeve SLV45

RID Power Entry Modules					
Part Number	Price	Description			
<u>RID-0142-H</u>	\$10.50	IEC Inlet Filter 120/240VAC, 1-ph, 1A			
<u>RID-0342-H</u>	\$11.00	IEC Inlet Filter 120/240VAC, 1-ph, 3A			
RID-0642-H	\$11.00	IEC Inlet Filter 120/240VAC, 1-ph, 6A			
RID-1042-H	\$13.00	IEC Inlet Filter 120/240VAC, 1-ph, 10A			
SLV45	\$4.00	Protective Boot For RID Series			

General Specifications					
Voltage Rating	0-240V AC/DC 0-60 Hz				
Voltage Max.	250V				
Voltage Withstand	1500VAC				
Phase	1				
UL/IEC Pollution Class	Degree II				
Humidity	93% RH (non-condensing)				
Overload Current	135% 2 hrs, 150% 60s				
Insulation Resistance	500VDC >3.5M Ohms				
Climate Class (IEC 60068-1)	-25/85/21				
Temperature Rating	-13 to 185°F, -25° to 85°C				
Flammability (UL94)	V-0				
Material	Tin Plated Steel				
Altitude*	1000m (3000m with derating)				
Mounting Clearance	>50mm Gap				
Agency Approval**	UR: File# E191581 (Standard: UL1283) CSA: File# 207414 (Standard: C22.2 No.8)				

^{*} Derate 1% per 100m after 1000m; Max 3000m.

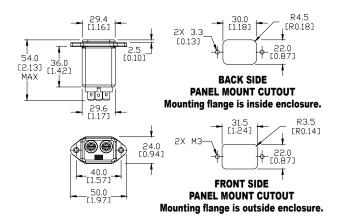
^{**}To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific component part number web page.

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Specifications Specification Specification Specification Specification Specification Specification Specification Specification							
Parameter	RID-0142-H	RID-0342-H	RID-0642-H	<u>RID-1042-H</u>			
Power (kW)	0.25	0.75	1.5	2.5			
Current Rating (A)	1	3	6	10			
SCCR Rating (kA)	5						
Ingress Protection	IP20						
Temperature Rise	30°C		45°C				
Terminal Style	1/4" quick disconnect						
Operational Leakage Current (mA)	0.35						
Total Resistance, Line to Load (mΩ)	1000	300	170	1000			
Residual Voltage (V@5s)	1V@5s						
Heat Dissipation (W)	1	2.7	6.12	100			
Weight, lbs (kg)	0.1 (0.45)						

Dimensions

mm [inches]



www.automationdirect.com Transformers tTXF-148