

DRF10

AKA

**Description** 1P 250V 10A DINRAIL FILTER

**Device** rfi filter

**Current** 10A 40°C

**Earthing** screw 2.5mm<sup>2</sup> 0.5Nm strip 8mm

**Enclosure** plastic polyamide UL94-V0

**Loss** 1.2W/ph

**Leakage** 0.75mA operating

**Mass** 0.1kg

**Mounting** Din Rail

**PCB** fr4 avlv2 VW-1 600V 105°C

**Potting** air

**Power** 2.4kW

**Protection** IP20

**Resistance** 12mR/ph

**Residual** 1v 5s

**SCCT** 5kA

**Supply** 230/240V 50/60Hz

**Terminal** screw 2.5mm<sup>2</sup> 0.5Nm strip 8mm

**Varistor** L-N 275V 6.5kA (500Vdc)

**Withstand** 2100Vdc 60s

**Altitude** 1000m (3000m w/derating)

**Bonding** 25A 50/60Hz

**Class** class I

**Environment** -25/+85/21

**Flammability** ULV2 min

**Humidity** 93% RH non-condensing

**Insulation** 500Vdc ≥3.5MR

**Material** group IIIb

**MTBF** 22yrs (MIL-HDBK-217F)

**Overload** 135% 2hrs 150% 60s

**Overvoltage** category II

**Packaging** ASTM D7386

**Pollution** degree II

**Shock** 15g 11ms

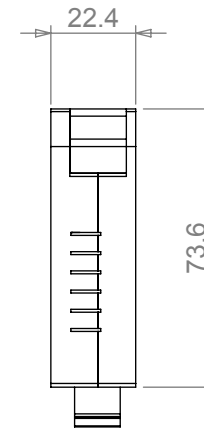
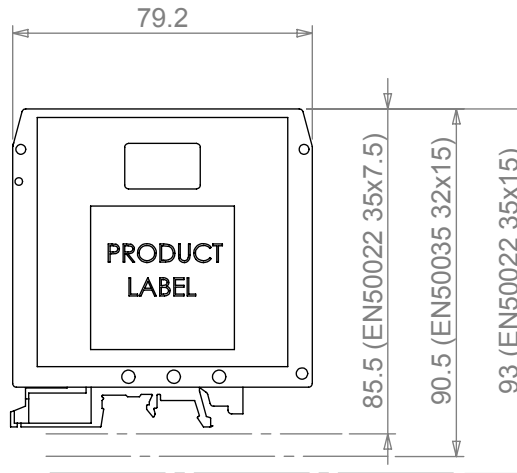
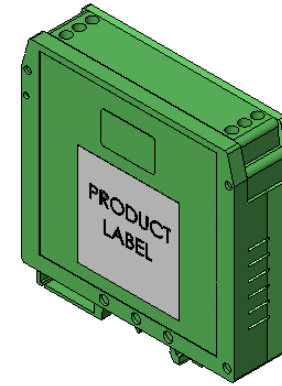
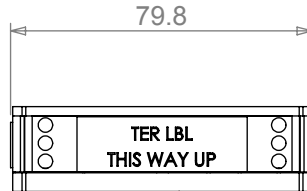
**Spacing** ≥50mm gap

**Vibration** 5-55Hz 350um 55-500Hz 2G

**EU** CE EN60939

**US** n/a

**CAN** n/a



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES  
LINEAR & RADIAL TOLERANCE:  
**NO DECIMAL PLACES ±0.5mm**  
**1 DECIMAL PLACE ±0.25mm**  
**2 DECIMAL PLACES ±0.125mm**  
**ANGULAR TOLERANCE: ±1°**

**DO NOT SCALE DRAWING**

THE FINISHED PRODUCT SHOULD BE CLEAN AND FREE FROM ALL LIQUIDS AND DEBRIS. SURFACES SHOULD BE OF UNIFORM APPEARANCE FREE FROM SHARP EDGES, BURRS AND CORROSION

AUTHOR  
DATE  
THIRD ANGLE PROJECTION

SW  
20/02/15  
SHEET 1 OF 1  
SCALE 1:1  
A4

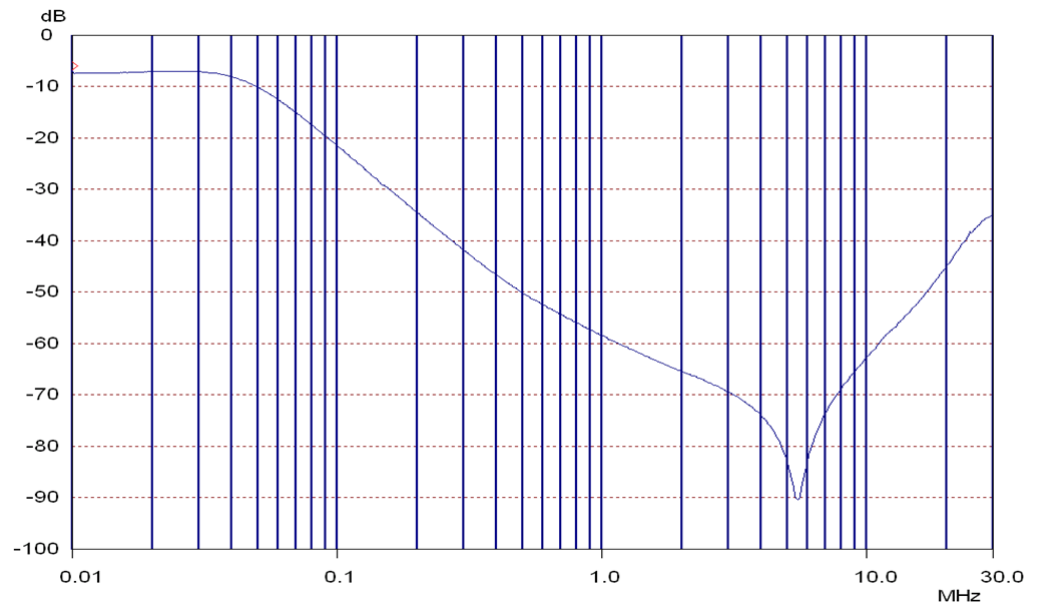
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**SPECIFICATION**

DRAWING NO.  
DRF10

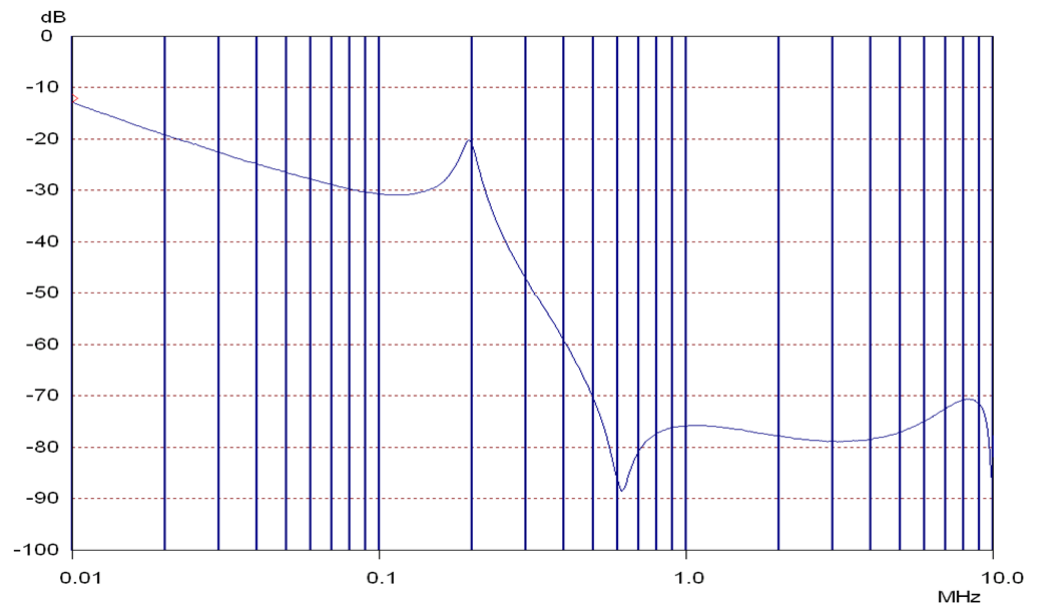
ISSUE  
**01**  
Release

**ROXBURGH ELECTRONICS LTD  
FILTER INSERTION LOSS CHARACTERISTICS  
CISPR 17 - 50 OHM METHOD**

**DRF10**



**COMMON MODE**



**DIFFERENTIAL MODE**