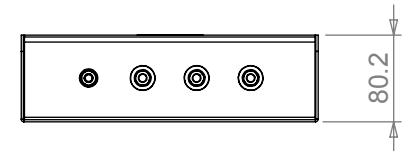
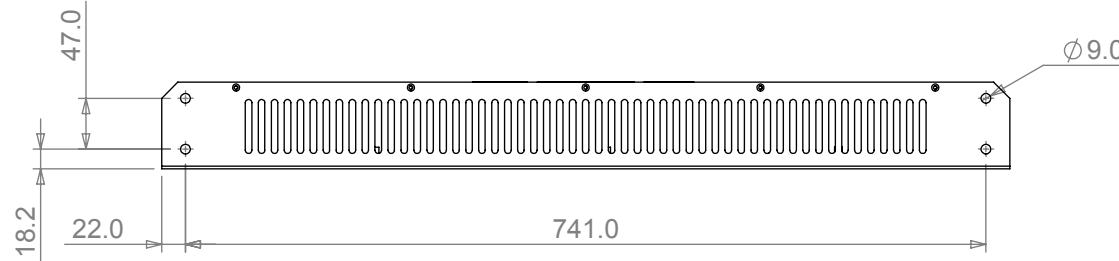
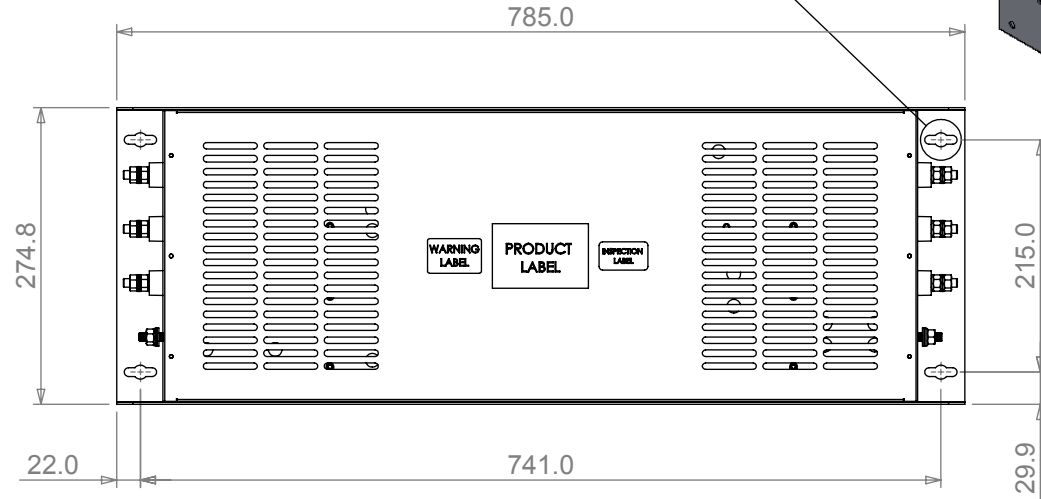
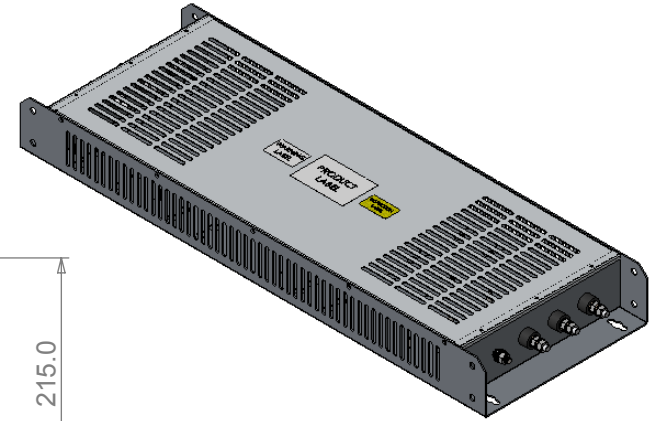
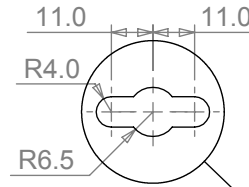


MIF3100	
AKA	
Description	3P 500V 100A STUD FILTER
Device	rfi filter
Current	100A 40°C
Earthing	stud M8 6Nm
Enclosure	aluminium 2mm
Loss	25W/ph
Leakage	15.04mA operating
Mass	9.16kg
Mounting	M6x4 (M8x4)
PCB	fr4 avlv2 VW-1 600V 105°C
Potting	air
Power	83kW(24kW)
Protection	IP00
Resistance	2.5mR/ph
Residual	132V 5s
SCCR	10kA
Supply	400/480V 50/60Hz
Terminal	stud M8 ss 6Nm
Varistor	n/a
Withstand	2900Vdc 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 IIb
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	uR UL1283
CAN	cUR CSA22.2

# DETAIL A



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Website www.dem-uk.com

**Alpha 3**  
manufacturing

**PROPRIETARY AND CONFIDENTIAL:**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ALPHA 3 MANUFACTURING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ALPHA 3 MANUFACTURING IS PROHIBITED.

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  
23/02/15  
SHEET 1 OF 1  
SCALE 1:10  
A4

TITLE  
**SPECIFICATION**

DRAWING NO.  
MIF3100

ISSUE  
**07**  
Release

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

MIF3100

