

1 2 3 4 5 6 7

MIF3100

AKA n/a

ALTITUDE 2000m

CURRENT 100A 40°C

CLASS Class I

DEVICE rfi filter

EARTHING stud M8 6Nm

ENCLOSURE aluminium 2mm

ENVIRONMENT -25/+85/2l

FLAMMABILITY UL94 V-2 min

GND BOND 25A 50/60Hz

HUMIDITY 93% RH non-condensing

INSULATION 500Vdc ≥3.5MR

IP RATING IP00

LOSS 25W/ph

LEAKAGE 2.4mA operating

MASS 9.16kg

MATERIAL Group IIIa

MOUNTING M6 4.5Nm / M8 6Nm

MTBF 22yrs (MIL-HDBK-217F)

OVERLOAD 150% 60s

OVERVOLTAGE Category II

PACKAGING ASTM D7386

PCB FR4 ZPMV2 105°C

POLLUTION Degree II

POTTING air

POWER 83kW (24kW)

RESIDUAL 132V 5s

RESISTANCE 2.5mR/ph

SCCR 10kA

SHOCK 15g 11mS

SPACING ≥50mm ventilated surfaces

STYLE stud filter

SUPPLY 3P 50/60Hz

TERMINAL stud M8 6Nm

VARISTOR n/a

VIBRATION 5-55Hz 350um 55-500Hz 2G

VOLTAGE 400/480V (520V max)

WITHSTAND 2900Vdc 60s

EU/UK CE/UKCA

US uR

CAN cUR

OTHER

DETAIL A

11.0 11.0

R6.5 R4.0

22.0 741.0

215.0

29.9

2.0 275 80

22.0 741.0

47.0

18.2 785

Ø9.0

DELTRON Components

DELTRON Enclosures

ROXBURGH EMC

bes

DEM

Alpha3

manufacturing

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES

LINEAR & RADIAL TOLERANCE:

NO DECIMAL PLACES ±0.5mm

1 DECIMAL PLACES ±0.25mm

2 DECIMAL PLACES ±0.125mm

ANGULAR TOLERANCE: ±1°

IF IN DOUBT ASK! DO NOT SCALE DRAWING!

FINISH -

MATERIAL -

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

EDITOR DB

APPROVER DB

THIRD ANGLE PROJECTION

SHEET 1 OF 2

SCALE 1:5 A4

TITLE

FILE

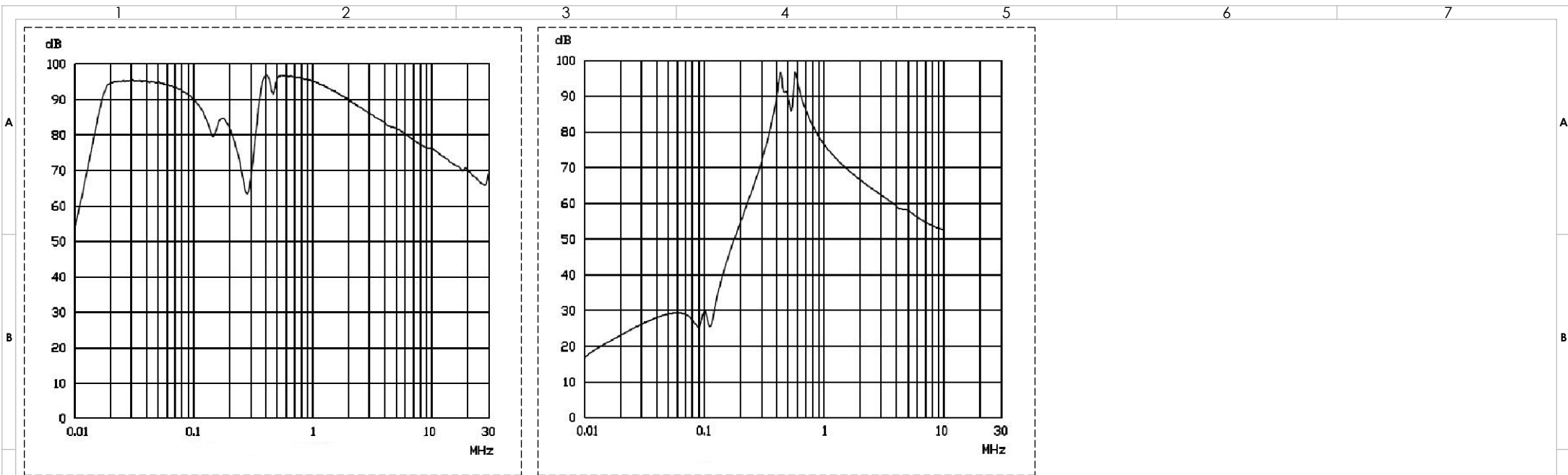
PART

ISSUE/REV. 009

RELEASED

EDIT DATE 27/06/2023

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A1: 50/50Ω ASYMMETRICAL (COMMON)

A2: 50/50Ω SYMMETRICAL (DIFFERENTIAL)



B: 50/50Ω ASYMMETRICAL (COMMON) LINE Y-CAP/CLIP REMOVED

C: 50/50Ω ASYMMETRICAL (COMMON) LOAD Y-CAP/CLIP REMOVED

D: 50/50Ω ASYMMETRICAL (COMMON) Y-CAPS/CLIPS REMOVED

DELTRON Components			PROPRIETARY AND CONFIDENTIAL:		IF IN DOUBT ASK! DO NOT SCALE DRAWING!		AUTHOR		TITLE						
DELTRON Enclosures			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°		EDITOR		FILE						
ROXBURGH EMC							APPROVER		PART						
+44(0)1724 273200		www.dem-uk.com		DEM Manufacturing is a division of Alpha 3 Manufacturing LTD DEM Manufacturing, Deltron Emcon House, Hargreaves Way, Sawcliffe Ind. Park, Scunthorpe, North Lincolnshire, DN15 8RF, UK		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		THIRD ANGLE PROJECTION		SHEET 2 OF 2		ISSUE/REV. 009		EDIT DATE 27/06/2023	
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