

1 2 3 4 5 6 7

AKA n/a
ALTITUDE 2000m
CURRENT 420A 50°C
CLASS Class I
DEVICE rfi filter
EARTHING M12x30 stud 30Nm
ENCLOSURE aluminium 2mm
ENVIRONMENT -25/+85/21
FLAMMABILITY UL94 V-2 min
GND BOND 25A 50/60Hz
HUMIDITY 93% RH non-condensing
INSULATION 500Vdc ≥3.5MR
IP RATING IP00
LOSS 9W/ph
LEAKAGE 5.7mA operating
MASS 14.2kg
MATERIAL Group IIIa
MOUNTING M10 20Nm
MTBF 22yrs (MIL-HDBK-217F)
OVERLOAD 150% 60s
OVERVOLTAGE Category II
PACKAGING ASTM D7386
PCB FR4 ZPMV2 105°C
POLLUTION Degree II
POTTING resin
POWER 436kW(100.8kW)
RESIDUAL 484V 5s
RESISTANCE 51uR/ph
SCCR 30kA (200kA when fused)
SHOCK 15g 11ms
SPACING ≥50mm ventilated surfaces
STYLE busbar filter
SUPPLY 3P 50/60Hz
TERMINAL Cu 25.4x6.3mm M10x30mm 20Nm
VARISTOR n/a
VIBRATION 5-55Hz 350um 55-500Hz 2G
VOLTAGE 600V (630V max)
WITHSTAND 3200Vdc 60s
EU/UK CE/UKCA
US uR
CAN cUR
OTHER

3D isometric view of the KMF3420V RFI filter enclosure, showing labels (WARNING, PRODUCT, INSPECTION) and mounting points.

Top view of the enclosure showing dimensions: 27.3, 120.0, 120.0, 235.0, 12.5, 65, 65, and a hole diameter of Ø12.0.

Side view of the enclosure showing dimensions: Ø10.5, 25.4, 210, 116, 6.35, 260, and 2.0.

Front view of the enclosure showing dimensions: 40, 306, 25, 386, and 68.

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°

IF IN DOUBT ASK! DO NOT SCALE DRAWING!

AUTHOR		TITLE	
FINISH	-	FILE	KMF3420V
MATERIAL	-	PART	KMF3420V
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 1 OF 2
		SCALE 1:5	A4
		ISSUE/REV.	013
		RELEASED	RELEASE DATE
			21/06/2023
			21/06/2023

DELTRON Components
DELTRON Enclosures
ROXBURGH EMC

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Alpha3 manufacturing

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THIRD ANGLE PROJECTION

SHEET 1 OF 2

SCALE 1:5

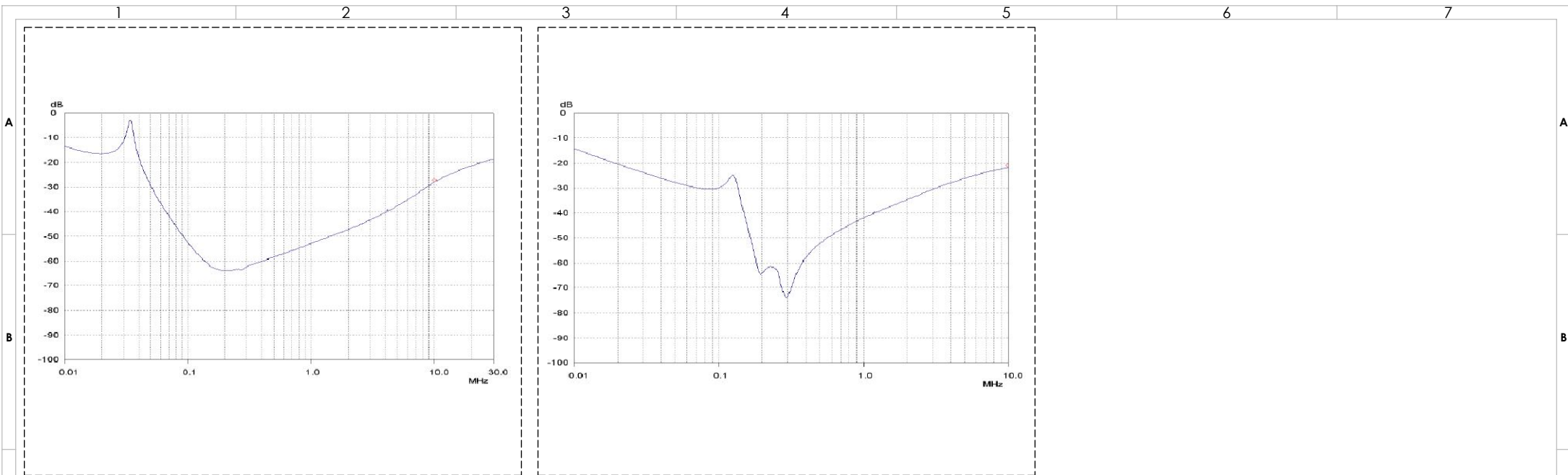
A4

ISSUE/REV. 013

RELEASED

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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

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AUTHOR
EDITOR DB
APPROVER DB
THIRD ANGLE PROJECTION
SHEET 2 OF 2
SCALE 1:1 A4

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FILE KMF3420V
PART KMF3420V
ISSUE/REV. 013
EDIT DATE 21/06/2023
RELEASED
RELEASE DATE 21/06/2023