

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 3.lmA operating

MASS 14.4kg

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 348.8kW (100.8kW)

RESIDUAL 609V 5s

RESISTANCE 51uR/ph

SCCR 30kA (200kA when fused)

SHOCK 15g 11mS

SPACING ≥50mm ventilated surfaces

STYLE busbar filter

SUPPLY 3P 50/60Hz

TERMINAL bar 25.4x6.3mm M10x30mm 20Nm

VARISTOR n/a

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

VOLTAGE 400/480V (520V max)

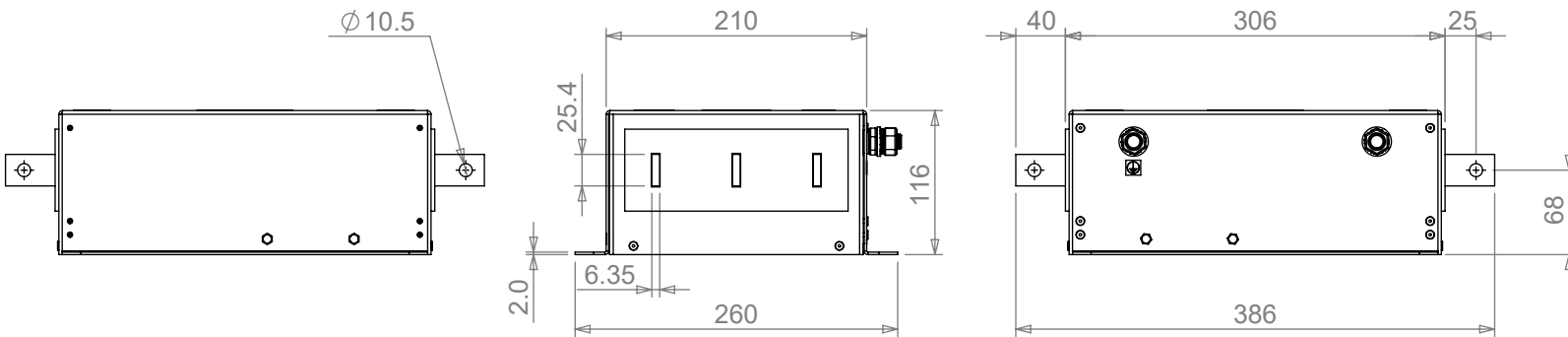
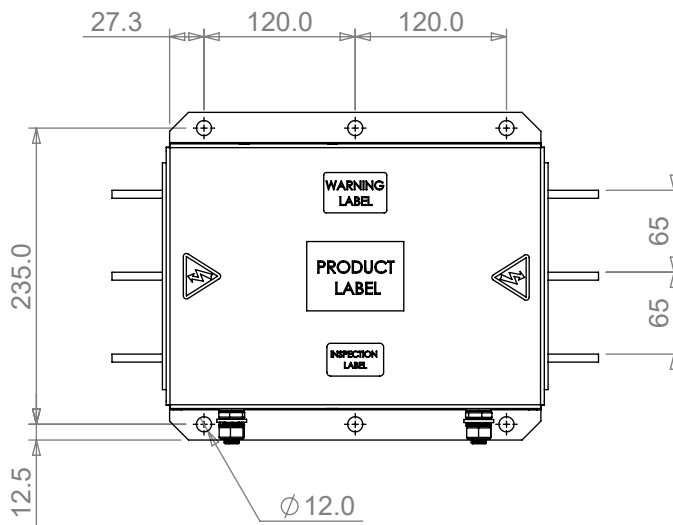
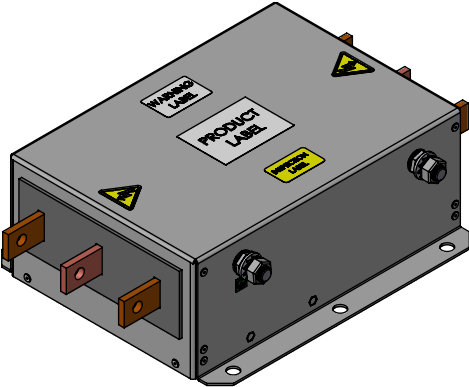
WITHSTAND 2900Vdc 60s

EU/UK CE/UKCA

US uR

CAN cUR

OTHER



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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!**

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

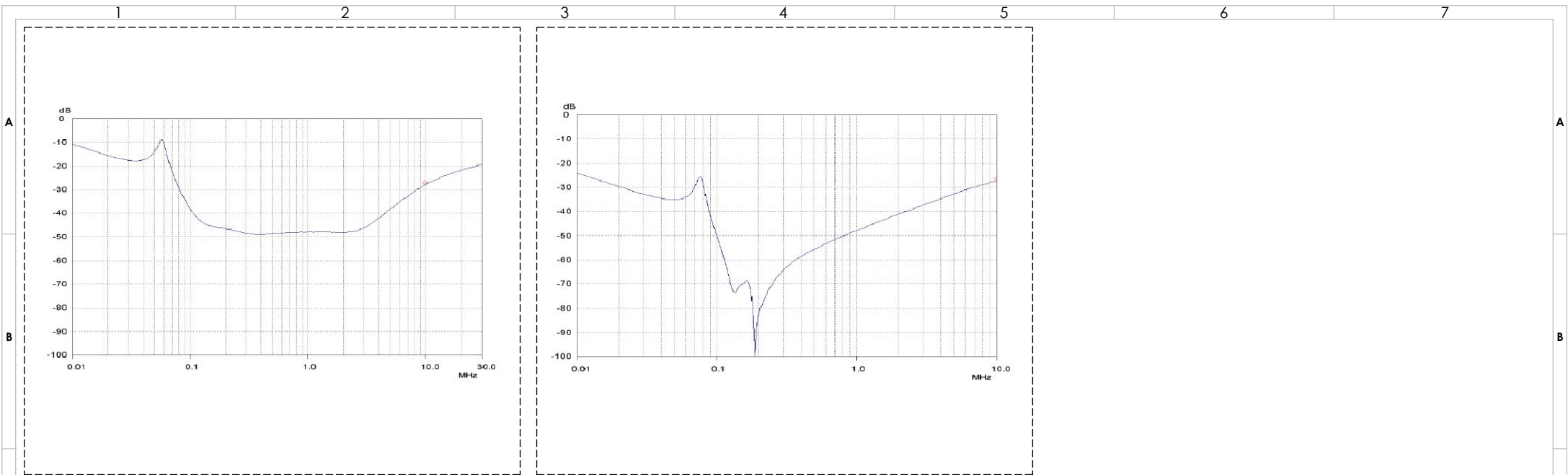
SHEET 1 OF 2  
SCALE 1:5 A4

TITLE  
FILE KMF3420A  
PART KMF3420A  
ISSUE/REV. 015  
RELEASED  
EDIT DATE 21/06/2023  
RELEASE DATE 21/06/2023

**DELTRON Components**  
**DELTRON Enclosures**  
**ROXBURGH EMC**

**bes**  
**DEM**  
**Alpha3 manufacturing**

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|                                                                                                                                                                                                                       |  |                                                                                                                                                                                                       |  |                                                                                                                                                                |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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                                                                                                           |  |
| <b>DELTRON Components</b>                                                                                                                                                                                             |  | <b>b.e.s. DEM</b>                                                                                                                                                                                     |  | <b>Alpha3 manufacturing</b>                                                                                                                                    |  |
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|                                                                                                                                                                                                                       |  |                                                                                                                                                                                                       |  | AUTHOR                                                                                                                                                         |  |
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