

|       |              |                                      |   |   |   |   |   |
|-------|--------------|--------------------------------------|---|---|---|---|---|
|       | 1            | 2                                    | 3 | 4 | 5 | 6 | 7 |
|       | DRF06        |                                      |   |   |   |   |   |
| A     | AKA          | n/a                                  |   |   |   |   |   |
|       | ALTITUDE     | 2000m                                |   |   |   |   |   |
|       | CURRENT      | 6A 40°C                              |   |   |   |   |   |
|       | CLASS        | Class I                              |   |   |   |   |   |
|       | DEVICE       | rfi filter                           |   |   |   |   |   |
|       | EARTHING     | screw 0.2-2.5mm² 0.5Nm strip 8mm str |   |   |   |   |   |
|       | ENCLOSURE    | plastic polyamide UL94-V0            |   |   |   |   |   |
|       | ENVIRONMENT  | -25/+85/21                           |   |   |   |   |   |
|       | FLAMMABILITY | UL94 V-2 min                         |   |   |   |   |   |
|       | GND BOND     | 25A 50/60Hz                          |   |   |   |   |   |
| B     | HUMIDITY     | 93% RH non-condensing                |   |   |   |   |   |
|       | INSULATION   | 500Vdc ≥3.5MR                        |   |   |   |   |   |
|       | IP RATING    | IP20                                 |   |   |   |   |   |
|       | LOSS         | 0.68W/ph                             |   |   |   |   |   |
|       | LEAKAGE      | 0.75mA operating                     |   |   |   |   |   |
|       | MASS         | 0.099kg                              |   |   |   |   |   |
|       | MATERIAL     | Group IIIa                           |   |   |   |   |   |
|       | MOUNTING     | Din Rail                             |   |   |   |   |   |
|       | MTBF         | 22yrs (MIL-HDBK-217F)                |   |   |   |   |   |
|       | OVERLOAD     | 150% 60s                             |   |   |   |   |   |
| C     | OVERVOLTAGE  | Category II                          |   |   |   |   |   |
|       | PACKAGING    | ASTM D7386                           |   |   |   |   |   |
|       | PCB          | FR4 ZPMV2 105°C                      |   |   |   |   |   |
|       | POLLUTION    | Degree II                            |   |   |   |   |   |
|       | POTTING      | air                                  |   |   |   |   |   |
|       | POWER        | 1.4kW                                |   |   |   |   |   |
|       | RESIDUAL     | 1v 5s                                |   |   |   |   |   |
|       | RESISTANCE   | 19mR/ph                              |   |   |   |   |   |
|       | SCCR         | 5kA                                  |   |   |   |   |   |
|       | SHOCK        | 15g 11mS                             |   |   |   |   |   |
| D     | SPACING      | ≥50mm ventilated surfaces            |   |   |   |   |   |
|       | STYLE        | DIN rail filter                      |   |   |   |   |   |
|       | SUPPLY       | 1P 50/60Hz                           |   |   |   |   |   |
|       | TERMINAL     | screw 0.2-2.5mm² 0.5Nm strip 8mm str |   |   |   |   |   |
|       | VARISTOR     | L-N 275V 6.5kA (350Vdc)              |   |   |   |   |   |
|       | VIBRATION    | 5-55Hz 350um 55-500Hz 2G             |   |   |   |   |   |
|       | VOLTAGE      | 230/240V (254V max)                  |   |   |   |   |   |
|       | WITHSTAND    | 2100Vdc 60s                          |   |   |   |   |   |
|       | EU/UK        | CE/UKCA                              |   |   |   |   |   |
|       | US           |                                      |   |   |   |   |   |
| CAN   |              |                                      |   |   |   |   |   |
| OTHER |              |                                      |   |   |   |   |   |
| E     |              |                                      |   |   |   |   |   |

DELTRON

Components

DELTRON

Enclosures

ROXBURGH

EMC

b'es

DEM

Alpha3

manufacturing

+44(0)1724 273200

www.dem-uk.com

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.

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

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!

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 SW  
EDITOR DB  
APPROVER DB

THIRD ANGLE PROJECTION

SHEET 1 OF 2  
SCALE 1:1 A4

ISSUE/REV. 003  
RELEASED

EDIT DATE 14/06/2023  
RELEASE DATE 14/06/2023

79.8

TER LBL  
THIS WAY UP

79.2

85.5 (EN50022 35x7.5)

90.5 (EN50035 32x15)

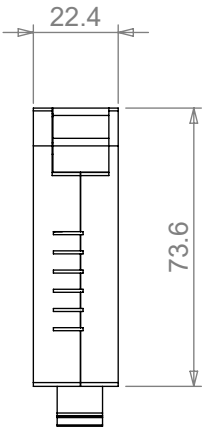
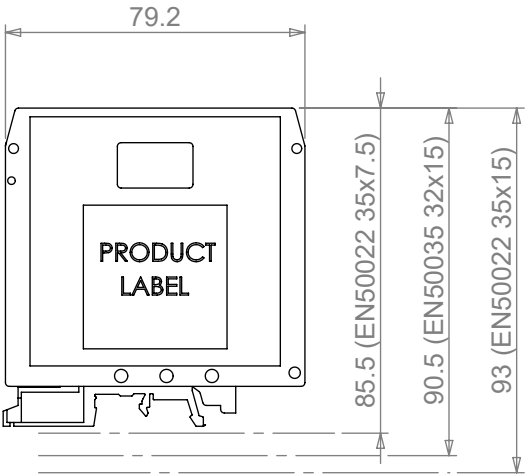
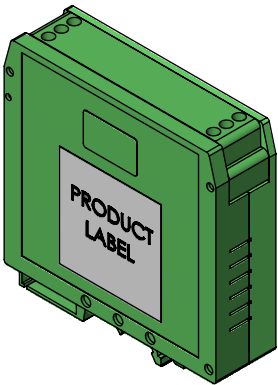
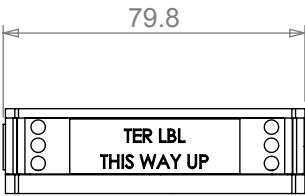
93 (EN50022 35x15)

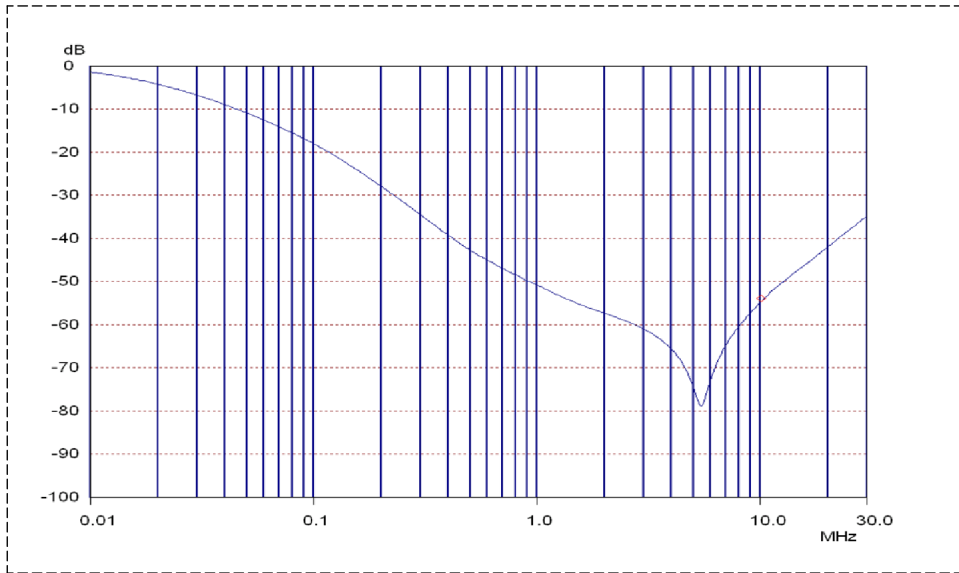
PRODUCT LABEL

22.4

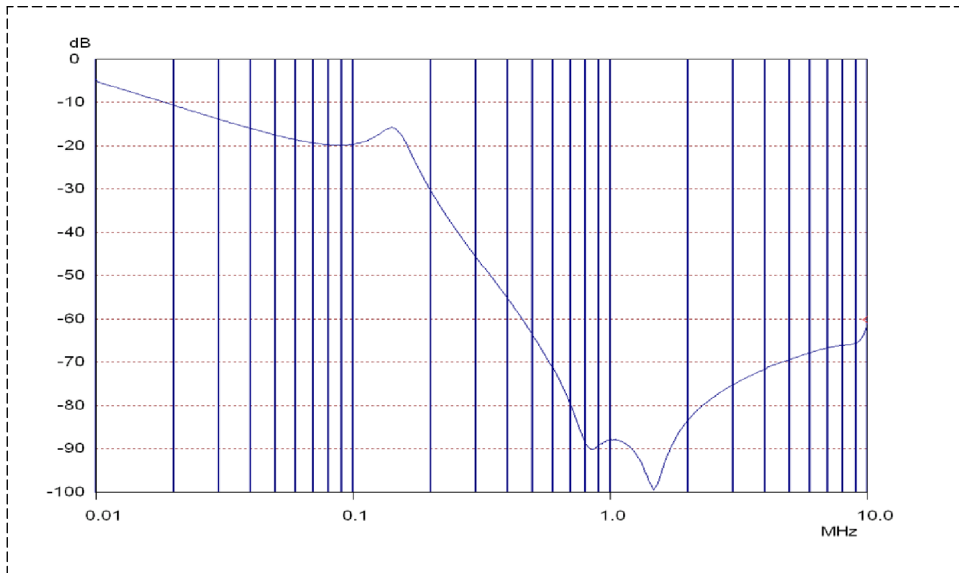
73.6

PRODUCT LABEL





A: 50/50Ω ASYMMETRICAL (COMMON)



B: 50/50Ω SYMMETRICAL (DIFFERENTIAL)

**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.

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

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!**

|                                                                                                                                                                |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 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                 | SW           |
| EDITOR                 | DB           |
| APPROVER               | DB           |
| THIRD ANGLE PROJECTION |              |
|                        |              |
| SHEET 2 OF 2           | SCALE 1:1 A4 |

|            |       |                |            |
|------------|-------|----------------|------------|
| TITLE      |       | SPECIFICATIONS |            |
| FILE       | DRF06 |                |            |
| PART       | DRF06 |                |            |
| ISSUE/REV. | 003   | EDIT DATE      | 14/06/2023 |
| RELEASED   |       | RELEASE DATE   | 14/06/2023 |