

12.5 12.5 R6.4 R3.0

20.0 646.0 192.0 34.5

20.0 646.0 35.0 18.2 686.0 Ø 9.0

2 261 68

DETAIL A

TABLE 1: GENERAL INFORMATION

AKA	n/a
ALTITUDE	2000m
CURRENT	75A 40°C
CLASS	Class I
DEVICE	rfi filter
EARTHING	stud M8 6Nm
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	19W/ph
LEAKAGE	1.6mA operating
MASS	6.1kg
MATERIAL	Group IIIa
MOUNTING	M5 2Nm / 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	62.3kW (18kW)
RESIDUAL	126V 5s
RESISTANCE	3.4mR/ph
SCCR	10kA
SHOCK	15g 11ms
SPACING	≥50mm ventilated surfaces
STYLE	stud filter
SUPPLY	3P 50/60Hz
TERMINAL	stud M8 6Nm
VARIATOR	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	

TABLE 2: DIMENSIONS

Overall Length	646.0 mm
Overall Width	192.0 mm
Overall Height	34.5 mm
Mounting Hole Spacing	20.0 mm
Mounting Hole Diameter	Ø 9.0 mm
Filter Element Spacing	12.5 mm
Filter Element Radius	R6.4 mm
Filter Element Radius	R3.0 mm

TABLE 3: IDENTIFICATION

Part Number	MIF375
Revision	007
Issue Date	28/06/2023
Release Date	28/06/2023

TABLE 4: SPECIFICATIONS

Material	Aluminium 2mm
Finish	Standard
Appearance	Free from sharp edges, burrs and corrosion

TABLE 5: CONTACTS

Contact Type	Stud M8 6Nm
Contact Material	Steel

TABLE 6: COMPLIANCE

CE Marking	CE/UKCA
UL Marking	UL94 V-2 min

TABLE 7: LOGISTICS

Weight	6.1kg
Volume	0.001 m³

TABLE 8: SUPPORT

Manufacturer	Alpha 3 Manufacturing
Website	www.alpha3manufacturing.com

TABLE 9: LEGAL

Copyright	© 2023 Alpha 3 Manufacturing
Disclaimer	This drawing is for reference only and should not be used for manufacturing without the written permission of Alpha 3 Manufacturing.

TABLE 10: NOTES

Note 1	IF IN DOUBT ASK! DO NOT SCALE DRAWING!
Note 2	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

TABLE 11: REVISIONS

Rev	001	002	003	004	005	006	007
Date	28/06/2023	28/06/2023	28/06/2023	28/06/2023	28/06/2023	28/06/2023	28/06/2023

TABLE 12: APPROVALS

Author	Editor	Approver	Release
DB	DB	DB	DB

TABLE 13: SCALE

Scale	1:5
-------	-----

TABLE 14: SHEET

Sheet	1 OF 2
-------	--------

TABLE 15: TITLE

Title	SPECIFICATION
-------	---------------

TABLE 16: FILE

File	MIF375
------	--------

TABLE 17: PART

Part	MIF375
------	--------

TABLE 18: ISSUE/REV.

Issue/Rev.	007
------------	-----

TABLE 19: RELEASED

Released	28/06/2023
----------	------------

TABLE 20: RELEASE DATE

Release Date	28/06/2023
--------------	------------

TABLE 21: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 22: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 23: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 24: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 25: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 26: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 27: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 28: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 29: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 30: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 31: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 32: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 33: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 34: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 35: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 36: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 37: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 38: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 39: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 40: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 41: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 42: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 43: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 44: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 45: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 46: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 47: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 48: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 49: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 50: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 51: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 52: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 53: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 54: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 55: SCALE 1:5

Scale 1:5	A4
-----------	----

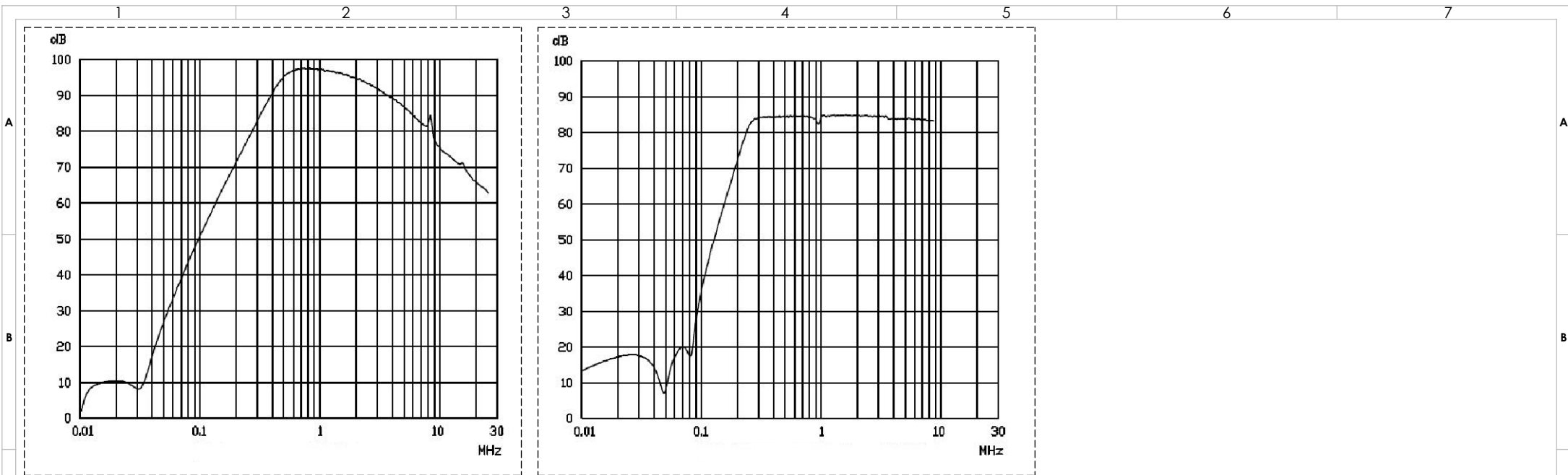
TABLE 56: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 57: SCALE 1:5

Scale 1:5	A4
-----------	----

TABLE 58: SCALE 1:5</



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

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

TITLE		SPECIFICATION	
FILE		MIF375	
PART		MIF375	
ISSUE/REV.	007	EDIT DATE	28/06/2023
4	RELEASED	RELEASE DATE	28/06/2023