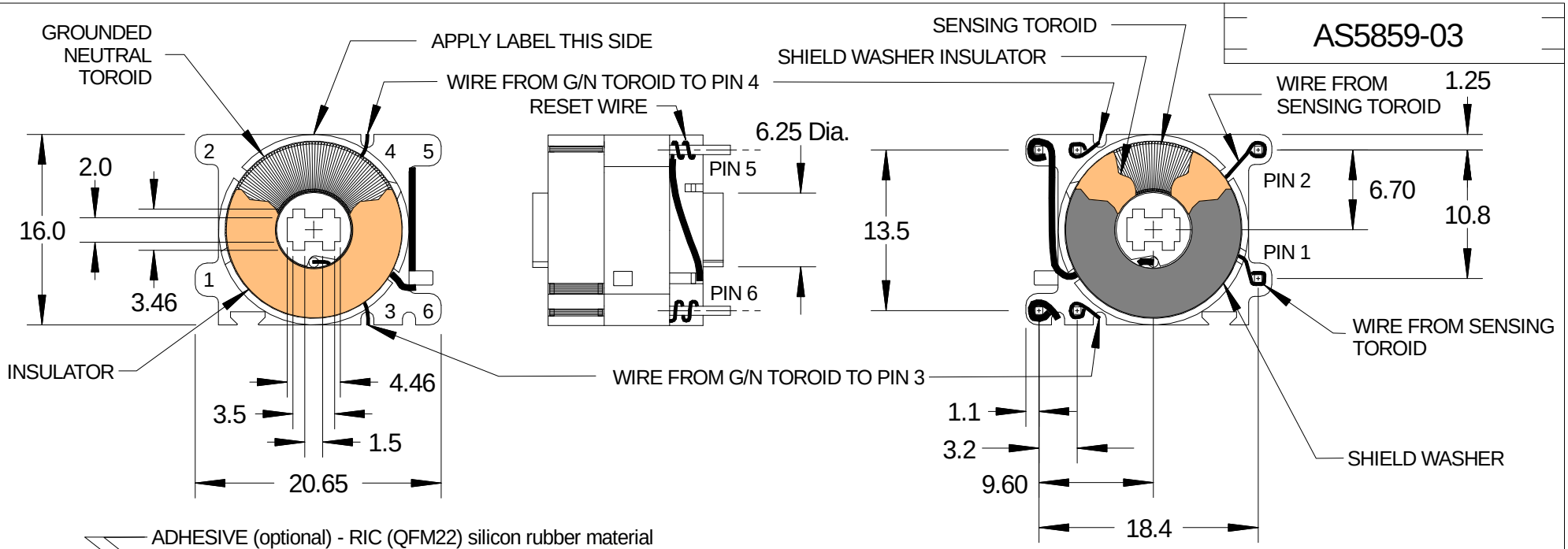
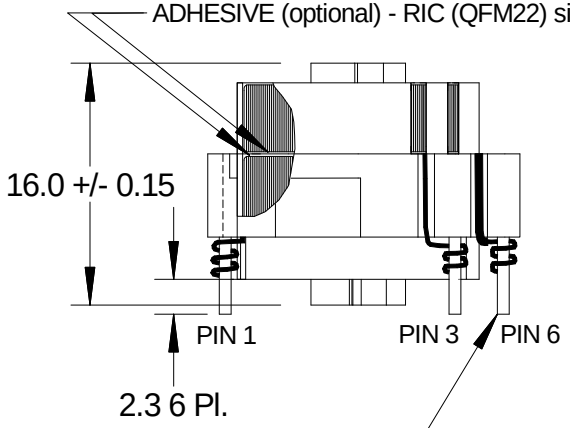
AS5859-03





NOTES:
1. Frame Material - R/C(QMFZ2) designated FR50, manufactured by E.I. Dupont rated 155°C max.
2. Sensing Toroid - Magnetic Metals P/N 5029 (80% Nickel Iron Alloy Rings) with 1000 turns of coated magnet wire, 40 AWG, 45 Ω +/- 10%, Wire is R/C (OBMW2) type Polysol 155 from Elektrisola or equivalent.
3. Grounded Neutral Toroid - Magnetics Metals P/N F3006 (Ferrite Material) with 120 turns of coated magnet wire, 40 AWG, 7.5 Ω +/- 10%, Wire is R/C (OBMW2) type Polysol 155 from Elektrisola or equivalent.
4. Shield Washer - Material - M6 silicon steel, circualr dimensions - 0.36 mm thick, OD=14.48 mm, ID=6.60 mm
5. Insulator - Material - nylon, circualr dimensions - 0.3 mm thick, OD=14.4 mm, ID=6.15 mm
6. Maximum operating temperature = 85°C
7. Label part with part number "AS5859-03" in location shown.
8. Reset Wire - Rubadue ETFE TEFZEL Wire , UL Style 1558 ,30 AWG, Solid, Blue
9. Dielectric Breakdown between terminals 1 & 2 with 3 & 4 and 5 & 6 = 2600 Vrms Min., 3 sec.

REVISIONS
REV 1 - 5/3/07- Initial Release - D.ROLLINS.
REV 2 - 5/30/07 - Changed 11.06 dimmension to 9.96 - D.ROLLINS
Rev 3 - 1/29/08 - Added label and DCR specification - D. Rollins
Rev 4 - 9/5/08 - Added Insulator, change wire routings - D. Rollins
Rev 5 - 1/15/09 - Changed 9.96 dimmension to 9.60, redrawn in ACAD format.
Rev 6 - 7/7/09 - Changed bracket material from Zytel to FR50.

MATERIAL

FINISH

DRAWN: D. Rollins | DATE: 5/3/07

APPROVED | DATE

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TOLERANCES
± .0.13 mm
ANGLES ± .5°
UNLESS OTHERWISE SPECIFIED

All Dimensions in Millimeters

Magnetic Metals Corporation
1900 Hayes Avenue
Camden, NJ 08105

GFCI COIL ASSEMBLY

SIZE	DRAWING NUMBER	REV
A	AS5859-03	6

SHEET NO 1 OF 1