

NOTES:	332114		REVISIONS				
	DRAWING NO.	REV	DESCRIPTION		DATE	ECO	APPR
	THIRD ANGLE PROJ.	A	RELEASE TO MFG.		03-Jan-14	--	AAP/BG

I. ELECTRICAL PERFORMANCE -

NOMINAL IMPEDANCE : 50±2 Ω
FREQUENCY RANGE : DC-3.0 GHz
VSWR : 1.150 MAX.
PIM : -160dBc MAX. (2x43dBm)
INSERTION LOSS : 0.050 dB MAX. (@ 3.0 GHz)
INSULATION RESISTANCE : 5000 MΩ MIN.
D.W.V : 2000 VRMS
CONDUCTOR RESISTANCE : OUTER CONDUCTOR 0.5 mΩ MAX.
INNER CONDUCTOR 1.0 mΩ MAX.

II. MECHANICAL PERFORMANCE -

(NUT) TORQUE : 10-12 N.m
(NUT) WHORL PULL : 500 N
TENSILE FORCE(CABLE-CONNECTOR) : 300 N
TORSION(CABLE-CONNECTOR) : 3.00 N.m

III.MATERIAL AND PLATING -

INNER CONDUCTOR : SPRING BRONZE ALLOY, PLATING = Ag (5µm MIN.)
OUTER CONDUCTOR : BRASS, PLATING = COPPER-TIN-ZINC (2µm MIN.)
NUT : BRASS, PLATING = NI (5µm MIN.)
GASKET : SILICONE RUBBER
INSULATOR : PTFE

IV. ENVIRONMENTAL -

TEMP RANGE : -40°C TO +85°C
WEATHER STANDARD : IEC 60068 40/ 085/ 21
THERMAL SHOCK : IEC 60068-2-14-NA
VIBRATION : IEC 60068-2-6-FC
SHOCK : IEC 60068-2-27
WATERPROOFING STANDARD : IP67

V. ASSEMBLY : INNER AND OUTER CONDUCTOR INSTALLED

VI. ROHS COMPLIANT

0.276^{+0.020}_{-0.000}
[7.00^{+0.50}₋₀]

0.512^{+0.039}_{-0.000}
[13.00^{+1.00}₀]

0.012 x 45°
[0.30 x 45°]

0.012 x 45°
[0.30 x 45°]

RECOMMENDED CABLE STRIPPING DIMENSIONS

1.732 [44.00] REF.

4.1/9.5 MALE INTERFACE

0.866 ON HEX
[22.00]

0.787
[20.00]
ON FLATS

Ø0.843
[21,40]

0.709 ON HEX
[18.00]

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:
2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES
±.015 (0,381 mm) ±.005 (0,127 mm) ± 1°

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MATERIAL

SEE NOTES

REFERENCE

DRAWN
A ARUN PRABU

ENGINEER
A ARUN PRABU

APPROVED
B.C. GLEISSNER

CAD FILE

DATE
04-Oct-13

DATE
04-Oct-13

DATE
03-Jan-14

TITLE
4.1/9.5 MALE FOR
3/8" H CABLE

SCALE: 4.0:1

SHEET 1 OF 1

DWG SIZE
B

DRAWING NO.
332114

REV
A

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