

NOTES:	242276		REVISIONS					
	DRAWING NO.	REV	DESCRIPTION		DATE	ECO	APPR	
REFERENCE STANDARD IEC60169-4	THIRD ANGLE PROJ.		A	RELEASE TO MFG.		05-Sep-13	--	KR/BCG

I. ELECTRICAL PERFORMANCE -

NOMINAL IMPEDANCE: : 50
FREQUENCY RANGE : DC-3.0 GHz
VSWR : 1.100 MAX.
INSERTION LOSS : -0.100 dB MIN. (@3.0 GHz)
PIM : -165dBc MAX. (2x43dBm)
INSULATION RESISTANCE : 5000 MΩ MIN.
D.W.V. : 2500 VRMS
CONDUCTOR RESISTANCE : OUTER CONDUCTOR 0.5 mΩ MAX.
INNER CONDUCTOR 1.0 mΩ MAX.

II. MECHANICAL PERFORMANCE -

RETENTION : 7/16:>5.88N MIN. 4.1/905:>4.00N MIN.
AXIAL FORCE : 200N
MATING CYCLES : 500 MIN.

III. MATERIAL AND PLATING -

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

IV. ENVIRONMENTAL -

TEMP. RANGE : -40°C TO +85°C
WEATHER STANDARD : IEC 60068 40/ 85/ 21
THERMAL SHOCK : MIL-STD 202, METHOD 107, CONDITION B
VIBRATION : MIL-STD 202, METHOD 204, CONDITION B
SHOCK : MIL-STD 202, METHOD 213, CONDITION I
ROHS COMPLIANT

1.535 [39.00]

7/16 FEMALE INTERFACE

M29XP1.5 6g

M20XP1.6g

0.945 ON FLATS [24.00]

4.1/9.5 FEMALE INTERFACE

SCALE 1.000

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°	MATERIAL	DRAWN	DATE	TITLE 7/16 FEMALE TO 4.1/9.5 FEMALE ADAPTER		Amphenol Connex		
	SEE NOTES	KARTHIK R	05-Sep-13					
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		KARTHIK R	05-Sep-13					
		APPROVED	DATE					
		B.C. GLEISSNER	09-Sep-13					
	CAD FILE			DWG SIZE	DRAWING NO.		REV	
				B	242276		A	

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