

NOTES:

1. MATERIALS AND FINISHES:
BODY & SHELL - STAINLESS STEEL PASSIVATED

4. ENVIRONMENTAL:
A. OPERATING TEMPERATURE - 55°C TO +125°C

THIRD ANGLE PROJ. 

REVISIONS				
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	12/15/14	50303	CL/BCG

1. MATERIALS AND FINISHES:

- BODY & SHELL
- STAINLESS STEEL,PASSIVATED
- CONTACT
- BeCu,GOLD PLATING
- INSULATOR
- PTFE,NATURAL
- GASKET
- SILICONE RUBBER,RED
- RETAINER RING
- SUS303,NATURAL

2. ELECTRICAL:

- A. IMPEDANCE:
- 50 OHM
- B. FREQUENCY RANGE:
- DC - 6 GHz
- C. AVERAGE INPUT POWER:
- 2W MAX AT +25°C
- DERATED LINEARLY TO 0.5W MAX AT +125°C
- D. ATTENUATION:
- XX dB ±(SEE TABLE 2D)
- E. VSWR:
- (SEE TABLE 2E)

3. MECHANICAL:

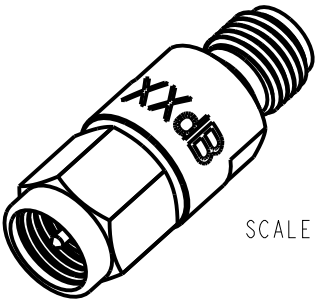
- A. MATING ENGAGEMENT: MIL-STD-348A,SERIES SMA
- B. ENGAGE/DISENGAGE FORCE: 2 IN-LBS MAX
- C. MATING TORQUE: 8 IN-LBS MAX
- D. COUPLING PROOF TORQUE: 15 IN-LBS MIN
- E. COUPLING NUT RETENTION: 60 LBS MIN
- F. DURABILITY: 500 CYCLES MIN.

4. ENVIRONMENTAL:

- A. OPERATING TEMPERATURE: -55°C TO +125°C
- B. THERMAL SHOCK: MIL-STD-202, METHOD 107,CONDITION B
- (EXCEPT HIGH TEMP +100°C)
- C. SHOCK: MIL-STD-202, METHOD 213,CONDITION 1
- D. VIBRATION: MIL-STD-202, METHOD 204,CONDITION 1D

5. PACKAGING:

- A. QUANTITY: SINGLE PACK
- B. BAG TO BE MARKED: AMPHENOL RF
- ATS-1MIF-XXDB2W
- DATE CODE



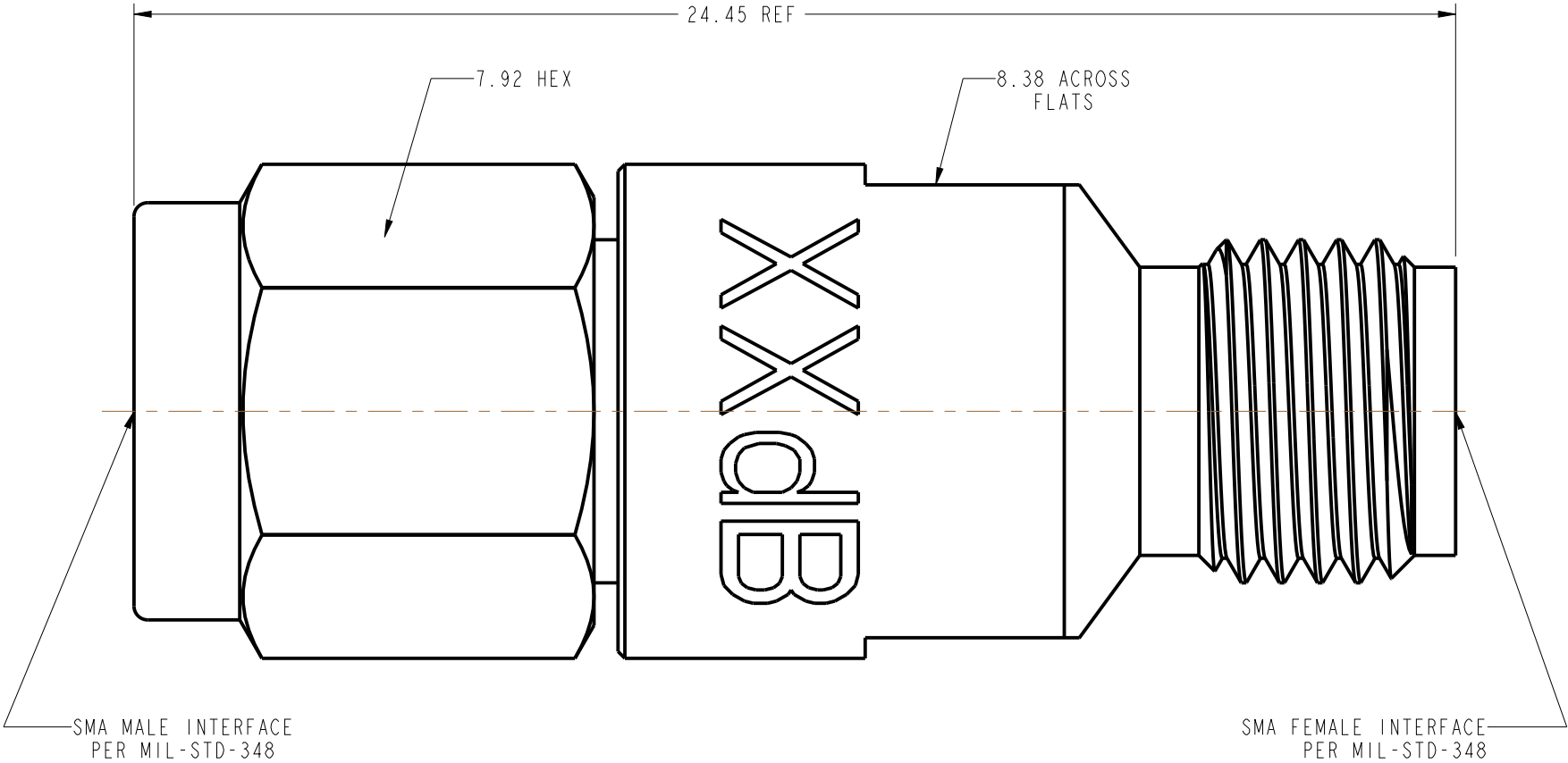
SCALE 2.000

dB	DC-4 GHz	4-6 GHz
1-3	±0.3	±0.5
4-6	±0.4	±0.5
7-10	±0.5	±0.5

TABLE 2D: ATTENUATION ACCURACY

dB	DC-2.5 GHz	2.5-4 GHz	4-6 GHz
1-3	1.15:1	1.20:1	1.25:1
4-6	1.15:1	1.20:1	1.25:1
7-10	1.15:1	1.25:1	1.30:1

TABLE 2E: VSWR MAX.



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm ± 0.05mm 0.5 - 6mm ± 0.1mm 6 - 30mm ± 0.2mm 30 - 120mm ± 0.3mm ANGLES ±1°	MATERIAL SEE NOTES	DRAWN CLEMENT	DATE 10-Nov-14	TITLE SMA STR PLUG TO JACK FIXED ATTENUATOR		Amphenol RF www.amphenolrf.com	
		ENGINEER B.GLEISSNER	DATE 10-Nov-14			DRAWING NO.ATS-1MIF-XXDB2W	
	REFERENCE EAR # 6465	APPROVED K. CAPOZZI	DATE 12/11/14	SCALE: 8.0:1.0 SHEET 2 OF 2		ITEM NO.ATS-1MIF-XXDB2W	
	CONFIGURATION LEVEL: In Work	CAD FILE		DWG SIZE B	REV A	PART NO.ATS-1MIF-XXDB2W	
	FINISH						

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