

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:

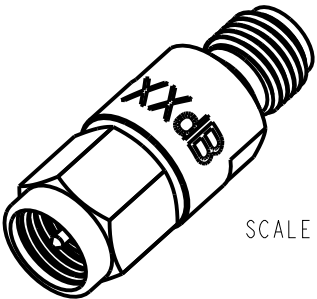
SINGLE PACK

B. BAG TO BE MARKED:

AMPHENOL RF

ATS-1MIF-XXDB2W

DATE CODE



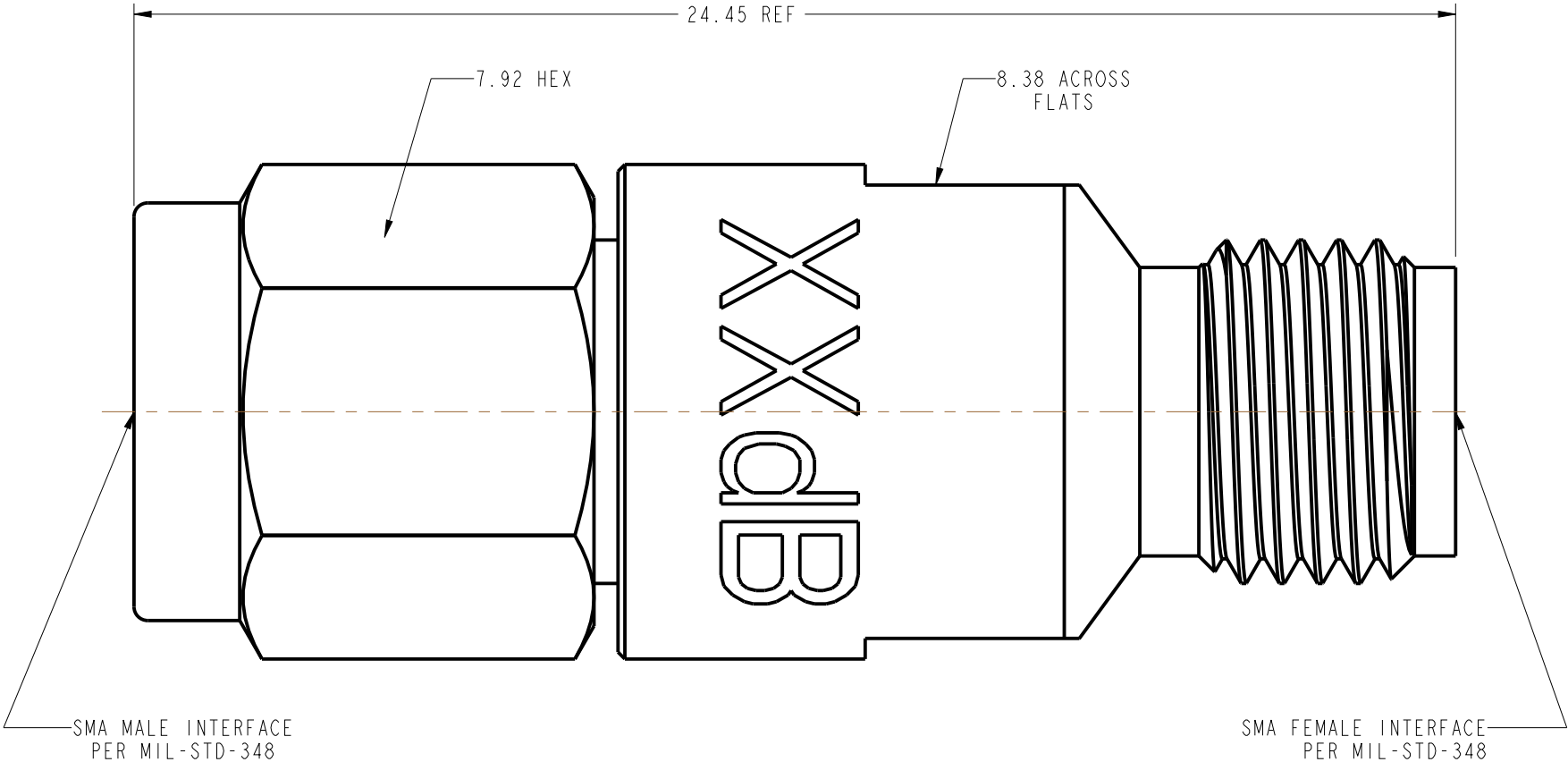
SCALE 2.000

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