

NOTES:

1. MATERIALS AND FINISHES:

- BODY & NUT - 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)  
[FOR ADDITIONAL VALUES, CONSULT FACTORY]
- E. VSWR: (SEE TABLE 2E)

3. MECHANICAL:

- A. MATING ENGAGEMENT: MIL-STD-348A, SERIES: TYPE N
- B. MATING TORQUE: 6-10 IN-LBS MAX.
- C. COUPLING PROOF TORQUE: 15 IN-LBS MIN.
- D. COUPLING NUT RETENTION: 100 LBS MIN.
- E. 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 B

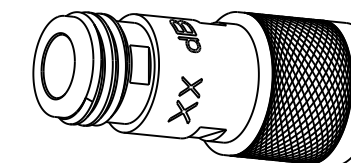
5. PACKAGING:

- A. QUANTITY: SINGLE PACK
- B. BAG TO BE MARKED: AMPHENOL RF  
PART NUMBER (SEE TABLE 5B)  
DATE CODE

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	6/30/15	50593	JN/BCG
B	UPDATED TABLE 5B	18-Jan-19	10244	EH



SCALE 1.000

dB	DC-18 GHz
1-6	±0.3
7-20	±0.5
21-40	±1.0
41-60	±1.5

TABLE 2D  
ATTENUATION  
ACCURACY

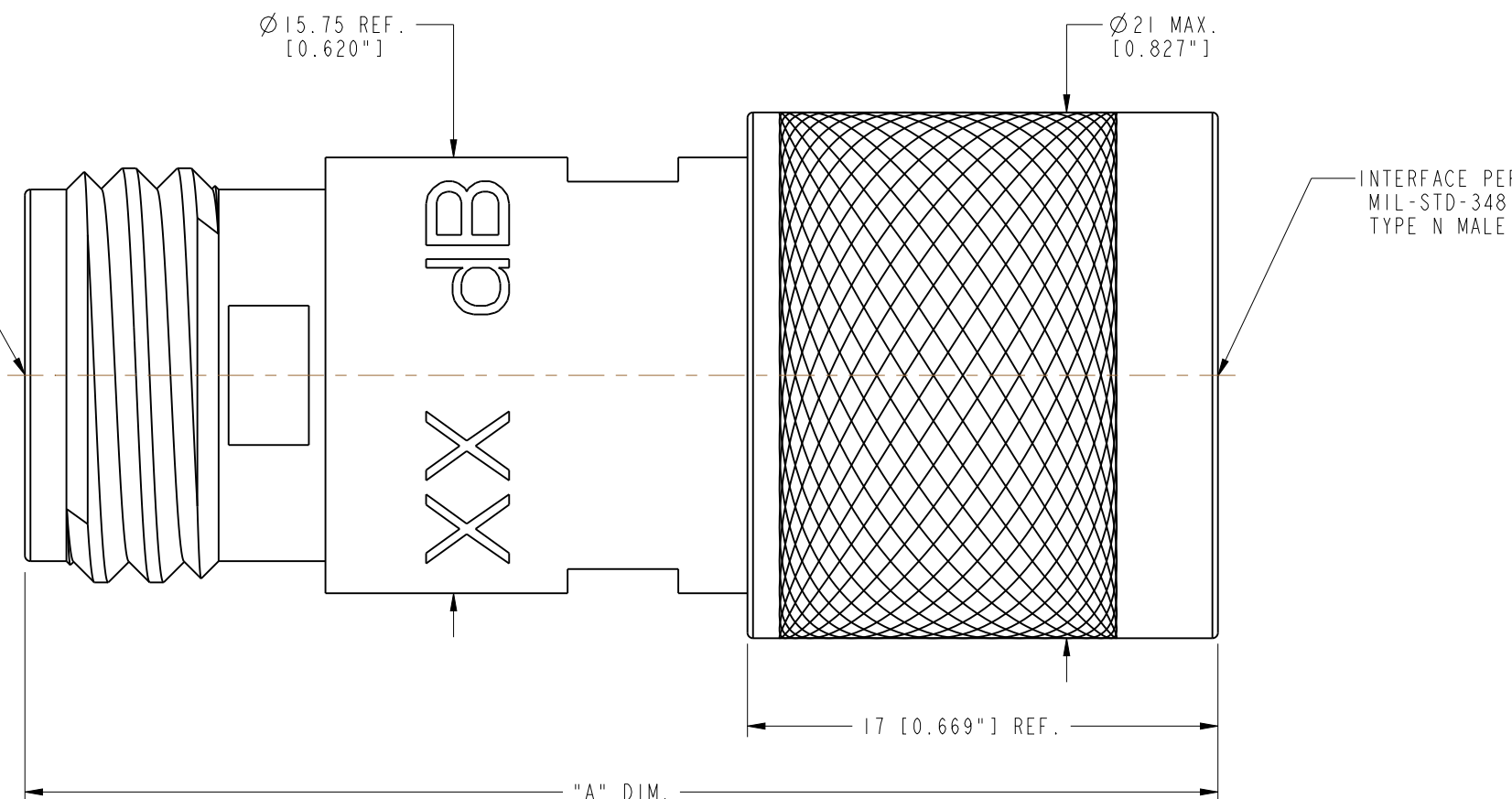
dB	DC-2.5 GHz	2.5-4 GHz	4-6 GHz
1-3	1.15:1	1.20:1	1.25:1
4-6	1.15:1	1.20:1	1.25:1
7-10	1.15:1	1.25:1	1.30:1

TABLE 2E  
VSWR MAX.

PART NUMBER	ATTENUATION VALUE [dB]	"A" DIM.
ATS-2M2F-03DB2W	3	45.0 [1.77"] REF.
ATS-2M2F-06DB2W	6	45.0 [1.77"] REF.
ATS-2M2F-10DB2W	10	45.0 [1.77"] REF.
ATS-2M2F-15DB2W	15	45.0 [1.77"] REF.
ATS-2M2F-20DB2W	20	45.0 [1.77"] REF.
ATS-2M2F-30DB2W	30	53.1 [2.09"] REF.

TABLE 5B  
PART NUMBER  
IDENTIFICATION

INTERFACE PER  
MIL-STD-348  
TYPE N FEMALE



INTERFACE PER  
MIL-STD-348  
TYPE N MALE

**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°

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MATERIAL SEE NOTES	DRAWN J. NERI	DATE 05-Mar-15	TITLE TYPE N, PLUG TO JACK FIXED ATTENUATOR (2 WATT)		Amphenol RF www.amphenolrf.com	
REFERENCE EAR #6507	ENGINEER B.GLEISSNER	DATE 05-Mar-15				
CONFIGURATION LEVEL: Released	APPROVED K. CAPOZZI	DATE 18-Jan-19	SCALE: 8.0:1.0	SHEET 2 OF 2	DRAWING NO. ATS-2M2F-XXDB2W	
FINISH	CAD FILE	DWG SIZE B	REV B	ITEM NO. ATS-2M2F-XXDB2W		
				PART NO. ATS-2M2F-XXDB2W		