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 I
D. VIBRATION: MIL-STD-202, METHOD 204,CONDITION B

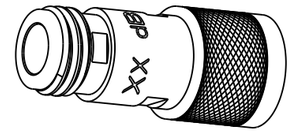
5. PACKAGING:

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

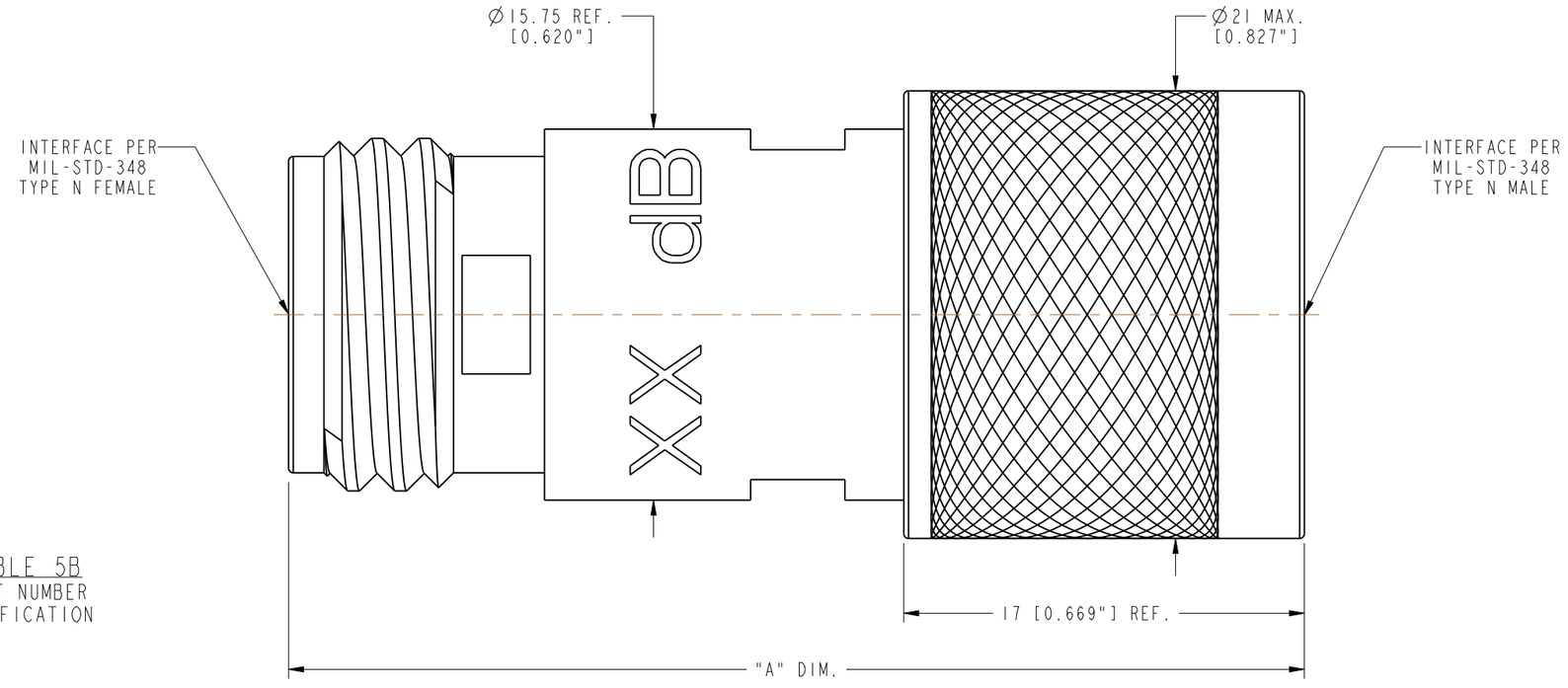
TABLE 2D
ATTENUATION ACCURACY

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 IDENFICATION



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

REFERENCE
EAR #6507

CONFIGURATION LEVEL: Released

FINISH

DRAWN J. NERI — DATE 05-Mar-15
ENGINEER B.GLEISSNER — DATE 05-Mar-15
APPROVED K. CAPOZZI — DATE 18-Jan-19
CAD FILE

TITLE
TYPE N, PLUG TO JACK
FIXED ATTENUATOR
(2 WATT)

SCALE: 8.0:1.0 | SHEET 2 OF 2
DWG SIZE B | REV B

Amphenol RF
www.amphenolrf.com

DRAWING NO. ATS-2M2F-XXDB2W
ITEM NO. ATS-2M2F-XXDB2W
PART NO. ATS-2M2F-XXDB2W