

NOTES:

## I. 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.

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

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

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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	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

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

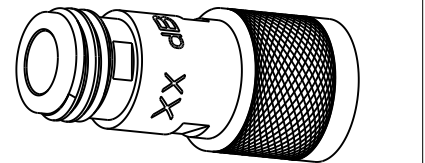
5. PACKAGING:

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

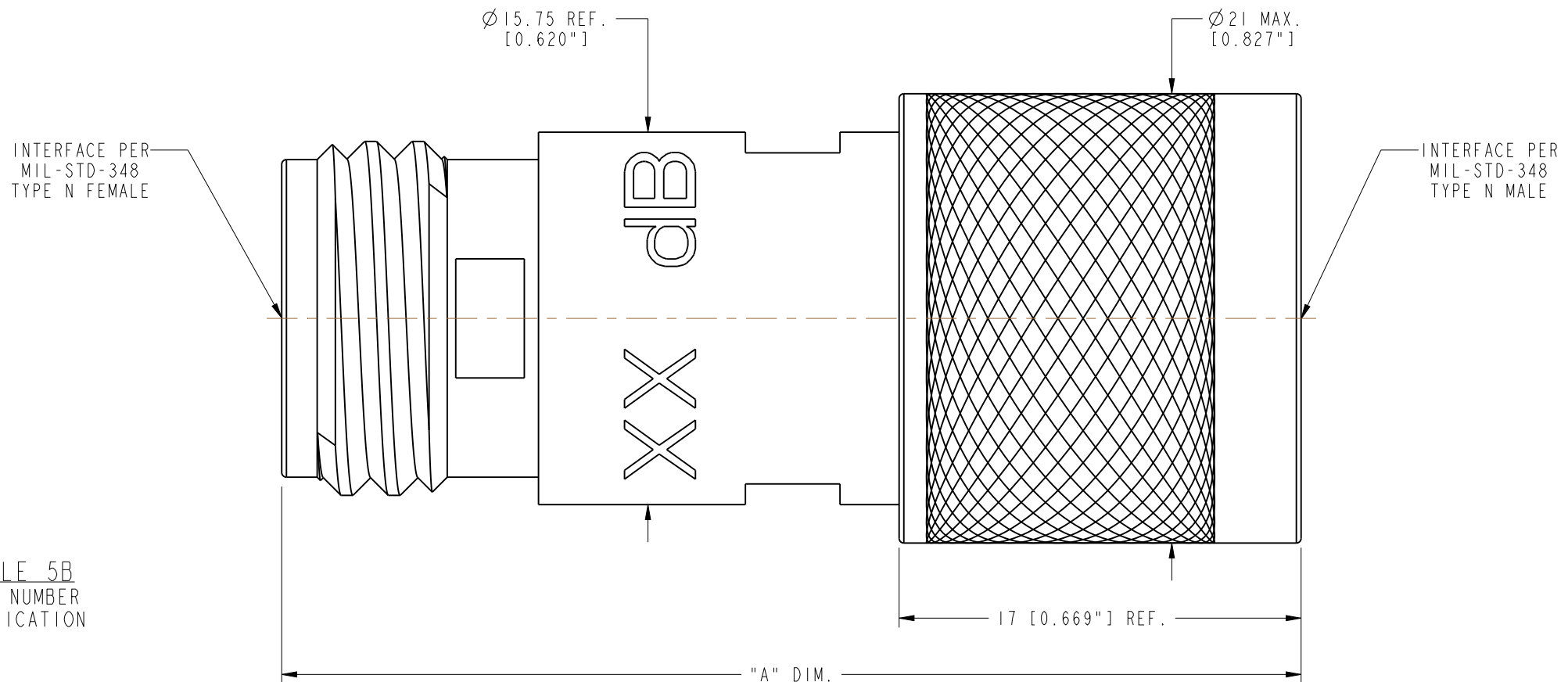
THIRD ANGLE PROJ. 

## 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



## CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:          &lt;0.5mm    0.5 - 6mm    6 - 30mm    30 - 120mm    ANGLES  <math>\pm 0.05\text{mm}</math>    <math>\pm 0.1\text{mm}</math>    <math>\pm 0.2\text{mm}</math>    <math>\pm 0.3\text{mm}</math>    <math>\pm 1^\circ</math></p> <p>NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.</p>	MATERIAL	DRAWN	DATE	TITLE		Amphenol RF	
	SEE NOTES	J. NERI	05-Mar-15				
	REFERENCE EAR #6507	ENGINEER	DATE	TYPE N, PLUG TO JACK FIXED ATTENUATOR (2 WATT)		<a href="http://www.amphenolrf.com">www.amphenolrf.com</a>	
		B.GLEISSNER	05-Mar-15				
	CONFIGURATION LEVEL: Released	APPROVED	DATE	SCALE: 8.0:1.0	SHEET	DRAWING NO. ATS-2M2F-XXDB2W	
	FINISH	K. CAPOZZI	18-Jan-19		2 OF 2		
		CAD FILE		DWG SIZE	REV	ITEM NO.	ATS-2M2F-XXDB2W
				B	B	PART NO.	ATS-2M2F-XXDB2W

# Mouser Electronics

Authorized Distributor

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[ATS-2M2F-03DB2W](#) [ATS-2M2F-06DB2W](#) [ATS-2M2F-10DB2W](#) [ATS-2M2F-15DB2W](#) [ATS-2M2F-20DB2W](#) [ATS-2M2F-30DB2W](#)