

NOTES:

1. MATERIALS AND FINISHES:

BODY & NUT

CONTACT

INSULATOR

GASKET

RETAINER RING

- STAINLESS STEEL,PASSIVATED

- BeCu,GOLD PLATING

- PTFE,NATURAL

- SILICONE RUBBER,RED

- SUS303,NATURAL

2. ELECTRICAL:

A. IMPEDANCE:

B. FREQUENCY RANGE:

C. AVERAGE INPUT POWER:

D. ATTENUATION:

E. VSWR:

50 OHM

DC - 6 GHz

2W MAX AT +25°C

XX dB ±(SEE TABLE 2D)

(SEE TABLE 2E)

3. MECHANICAL:

A. MATING ENGAGEMENT:

B. MATING TORQUE:

C. COUPLING PROOF TORQUE:

D. COUPLING NUT RETENTION:

E. DURABILITY:

MIL-STD-348A,SERIES: TYPE N

6-10 IN-LBS MAX.

15 IN-LBS MIN.

100 LBS MIN.

500 CYCLES MIN.

4. ENVIRONMENTAL:

A. OPERATING TEMPERATURE:

B. THERMAL SHOCK:

C. SHOCK:

D. VIBRATION:

-55°C TO +125°C

MIL-STD-202, METHOD

MIL-STD-202, METHOD

MIL-STD-202, METHOD

5. PACKAGING:

A. QUANTITY:

B. BAG TO BE MARKED:

SINGLE PACK

AMPHENOL RF

PART NUMBER (SEE TABLE 5B)

DATE CODE

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-1M1F-03DB2W	3	45.0 [1.77"] REF.
ATS-1M1F-06DB2W	6	45.0 [1.77"] REF.
ATS-1M1F-10DB2W	10	45.0 [1.77"] REF.
ATS-1M1F-15DB2W	15	45.0 [1.77"] REF.
ATS-1M1F-20DB2W	20	45.0 [1.77"] REF.
ATS-1M1F-30DB2W	30	53.1 [2.09"] REF.

TABLE 5B
PART NUMBER
IDENTIFICATION

INTERFACE PER
MIL-STD-348
TYPE N FEMALE



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

SEE NOTES

DRAWN

J. NERI

THIRD ANGLE PROJ.

REV		DESCRIPTION	DATE	ECO	APPR
A		RELEASE TO MFG.	6/30/15	50593	JN/BCG

07, CONDITION B
+100°C)
13, CONDITION I
04, CONDITION B

SCALE 1.000

The drawing shows a side view of a connector assembly. The assembly consists of a rectangular body with a circular feature on the left and a cylindrical feature on the right. The circular feature has a diameter of 15.75 REF. [0.620"] and is marked with 'b' and 'XX'. The cylindrical feature has a diameter of 21 MAX. [0.827"] and is marked with 'XX'. The length of the cylindrical feature is 17 [0.669"] REF. The drawing is labeled 'A' DIM. and 'INTERFACE PER MIL-STD-348 TYPE N MALE'.

Ø 15.75 REF.
[0.620"]

Ø 21 MAX.
[0.827"]

17 [0.669"] REF.

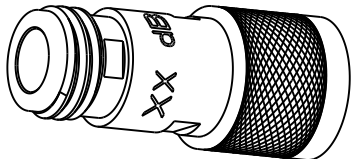
"A" DIM.

INTERFACE PER
MIL-STD-348
TYPE N MALE

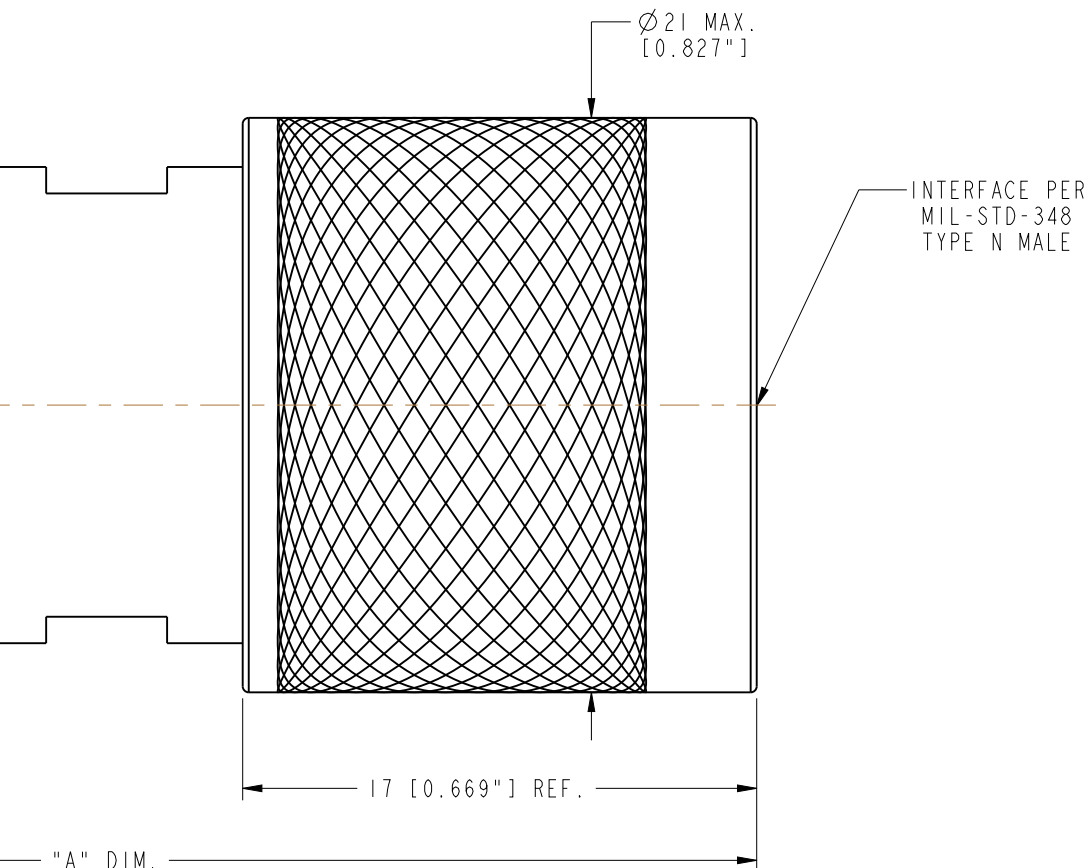
CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

DATE	TITLE	Amphenol RF
05-Mar-15	TYPE N PLUG TO JACK	

REVISIONS				
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	6/30/15	50593	JN/BCG



SCALE 1.000



Ø 21 MAX.
[0.827"]

INTERFACE PER
MIL-STD-348
TYPE N MALE

17 [0.669"] REF.

"A" DIM.

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

TITLE TYPE N. PLUG TO JACK	Amphenol RF
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TABLE 2D
ATTENUATION
ACCURACY

TABLE 2E	
VSWR MAX.	
1	1.00
2	1.05
3	1.10
4	1.15
5	1.20
6	1.25
7	1.30
8	1.35
9	1.40
10	1.45
11	1.50
12	1.55
13	1.60
14	1.65
15	1.70
16	1.75
17	1.80
18	1.85
19	1.90
20	1.95
21	2.00
22	2.05
23	2.10
24	2.15
25	2.20
26	2.25
27	2.30
28	2.35
29	2.40
30	2.45
31	2.50
32	2.55
33	2.60
34	2.65
35	2.70
36	2.75
37	2.80
38	2.85
39	2.90
40	2.95
41	3.00
42	3.05
43	3.10
44	3.15
45	3.20
46	3.25
47	3.30
48	3.35
49	3.40
50	3.45
51	3.50
52	3.55
53	3.60
54	3.65
55	3.70
56	3.75
57	3.80
58	3.85
59	3.90
60	3.95
61	4.00
62	4.05
63	4.10
64	4.15
65	4.20
66	4.25
67	4.30
68	4.35
69	4.40
70	4.45
71	4.50
72	4.55
73	4.60
74	4.65
75	4.70
76	4.75
77	4.80
78	4.85
79	4.90
80	4.95
81	5.00
82	5.05
83	5.10
84	5.15
85	5.20
86	5.25
87	5.30
88	5.35
89	5.40
90	5.45
91	5.50
92	5.55
93	5.60
94	5.65
95	5.70
96	5.75
97	5.80
98	5.85
99	5.90
100	5.95
101	6.00
102	6.05
103	6.10
104	6.15
105	6.20
106	6.25
107	6.30
108	6.35
109	6.40
110	6.45
111	6.50
112	6.55
113	6.60
114	6.65
115	6.70
116	6.75
117	6.80
118	6.85
119	6.90
120	6.95
121	7.00
122	7.05
123	7.10
124	7.15
125	7.20
126	7.25
127	7.30
128	7.35
129	7.40
130	7.45
131	7.50
132	7.55
133	7.60
134	7.65
135	7.70
136	7.75
137	7.80
138	7.85
139	7.90
140	7.95
141	8.00
142	8.05
143	8.10
144	8.15
145	8.20
146	8.25
147	8.30
148	8.35
149	8.40
150	8.45
151	8.50
152	8.55
153	8.60
154	8.65
155	8.70
156	8.75
157	8.80
158	8.85
159	8.90
160	

TABLE 5B
PART NUMBER
IDENTIFICATION



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: $\begin{matrix} <0.5\text{mm} & 0.5 - 6\text{mm} & 6 - 30\text{mm} & 30 - 120\text{mm} & \text{ANGLES} \\ \pm 0.05\text{mm} & \pm 0.1\text{mm} & \pm 0.2\text{mm} & \pm 0.3\text{mm} & \pm 1^\circ \end{matrix}$ 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.	MATERIAL	DRAWN J. NERI	DATE 05-Mar-15	TITLE TYPE N, PLUG TO JACK FIXED ATTENUATOR (2 WATT)		Amphenol RF www.amphenolrf.com	
	SEE NOTES	ENGINEER B.GLEISSNER	DATE 05-Mar-15				
	REFERENCE EAR #6507	APPROVED K. CAPOZZI	DATE 6/30/15	SCALE: 8.0:1.0	SHEET	2 OF 2	DRAWING NO. ATS-2M2F-XXDB2W
	CONFIGURATION LEVEL: In Work	CAD FILE		DWG SIZE B	REV A		ITEM NO. ATS-2M2F-XXDB2W
	FINISH						PART NO. ATS-2M2F-XXDB2W