

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
(EXCEPT HIGH TEMP)

C. SHOCK: MIL-STD-202, METHOD

D. VIBRATION: MIL-STD-202, METHOD

5. PACKAGING:

A. QUANTITY: SINGLE PACK

B. BAG TO BE MARKED: 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-1MIF-03DB2W	3	45.0 [1.77"] REF.
ATS-1MIF-06DB2W	6	45.0 [1.77"] REF.
ATS-1MIF-10DB2W	10	45.0 [1.77"] REF.
ATS-1MIF-15DB2W	15	45.0 [1.77"] REF.
ATS-1MIF-20DB2W	20	45.0 [1.77"] REF.
ATS-1MIF-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

SFF 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

Ø 15.75 REF.
[0.620"]

Ø 21 MAX.
[0.827"]

INTERFACE PER
MIL-STD-348
TYPE N MALE

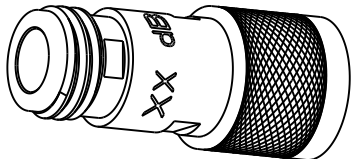
17 [0.669"] REF.

"A" DIM.

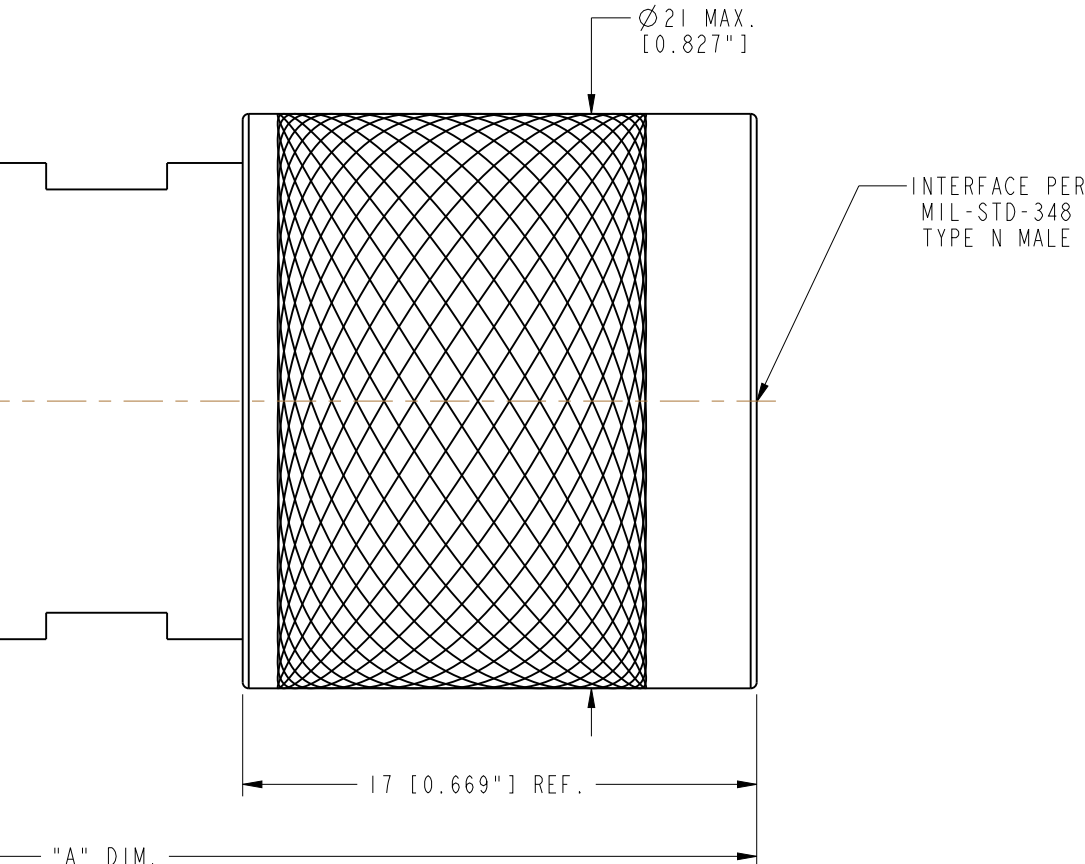
CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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

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



INTERFACE PER
MIL-STD-348
TYPE N MALE

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° 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 SEE NOTES	DRAWN J. NERI	DATE 05-Mar-15	TITLE TYPE N, PLUG TO JACK FIXED ATTENUATOR (2 WATT)	Amphenol RF www.amphenolrf.com	
		ENGINEER B.GLEISSNER	DATE 05-Mar-15		DRAWING NO. ATS-2M2F-XXDB2W	
		REFERENCE EAR #6507	APPROVED K. CAPOZZI	DATE 6/30/15	SCALE: 8.0:1.0	SHEET 2 OF 2
		CONFIGURATION LEVEL: In Work	CAD FILE		DWG SIZE B	REV A
	FINISH					