ROHS COMPLIANT

PRODUCT DATA DRAWING

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
-	DCN 38051	03/11	PJS

MATERIAL:

BODIES, COUPLING NUT: STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1

LOCK RINGS, CONTACTS: BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04

SLEEVE: BRASS PER ASTM B16, ALLOY UNS No. C36000

BELLOWS: ELECTRO-DEPOSITED GOLD OVER NICKEL

INSULATORS: PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B

GASKETS: SILICONE RUBBER PER A-A-59588, CLASS 2B, GRADE 50/60

RESISTOR ELEMENTS: ALUMINA SUBSTRATE WITH TANTALUM NITRIDE RESISTOR

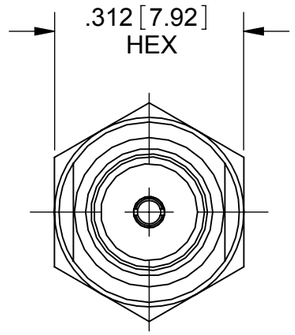
FINISH:

BODIES, COUPLING NUT: PASSIVATED PER AMS-2700, TYPE 2

CONTACTS, SLEEVE: GOLD PER ASTM B488, TYPE II, CODE C, CLASS 1.27; OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.

PERFORMANCE:

IMPEDANCE: 50 OHMS
FREQ. RANGE: DC TO 18.0 GHz
VSWR: SEE TABLE 1
OPERATING TEMP.: -55°C TO +125°C
AVG. POWER: 2 WATT (POWER INPUT DERATED LINEARLY FROM 25°C TO 0.5 WATTS AT 125°C)
PEAK POWER: 500 WATTS (PEAK POWER FOR A DUTY CYCLE OF $5X10^{-4}$ MAXIMUM PULSE DURATION OF 5 MICROSECONDS)
ENGAGEMENT/ DISENGAGEMENT: 2 IN-LBS



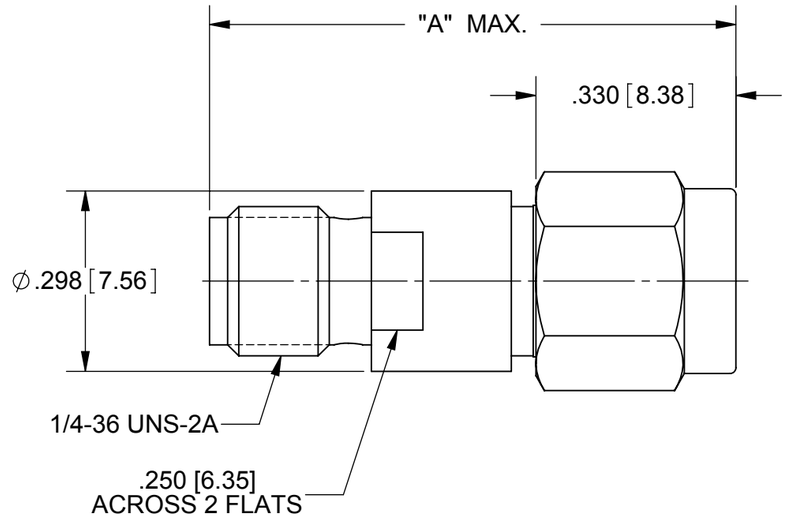


TABLE 1

dB VALUE	ATTENUATION ACCURACY	VSWR					"A" DIM.
		DC-2 GHz	2-4 GHz	4-8 GHz	8-12.4 GHz	12.4-18 GHz	
0 dB	+0 /-0.3 dB	1.10:1	1.15:1	1.20:1	1.25:1	1.35:1	.870
0.5-6.5 dB	±0.3 dB						.870
7-8.5 dB	±0.4 dB						.870
9-14.5 dB	±0.5 dB						.870
15-20 dB	±0.6 dB						.870
21-29 dB	±1.0 dB						1.040
30-39 dB	±1.0 dB						1.040
40 dB	±1.0 dB						1.040
50 dB	±2.0 dB						1.350

MATERIAL: SEE NOTES
FINISH: SEE NOTES
SURFACE AREA: N/A

PROPRIETARY

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DIMENSIONS ARE IN INCHES TOLERANCES:
FRACTIONAL: ±1/64 ANGULAR: X° ±1°0' X°X' ±15'
DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED

1) ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]
2) ALL DIMENSIONS ARE AFTER PLATING.
3) BREAK CORNERS & EDGES .005 R. MAX.
4) CHAM. 1ST & LAST THREADS.
5) SURFACE ROUGHNESS 63 MIL-STD-10.
6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R.
7) REMOVE ALL BURRS

DRAWN:	FED 03/07/11	
CHECKED:	PJS 03/07/11	
APPROVED:	PJS 03/07/11	

SV Microwave, Inc.
2400 Centrepark West Drive, Suite 100
West Palm Beach, FL 33409

TITLE: SMA PLUG TO JACK MICRO ATTENUATOR DC TO 18 GHz

SIZE	CAGE CODE	DWG. NO.
B	95077	SF0929-6200-XXX

SCALE: 4:1

ROHS COMPLIANT

PRODUCT DATA DRAWING

REVISION HISTORY			
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MAY VARY FROM 1 CHARACTER
TO 3 CHARACTERS

dB VALUE TO "XXX" NUMBER CHART

dB VALUE	"XXX" NUMBER
0	0
0.5	0.5
1	1
1.5	1.5
2	2
2.5	2.5
3	3
3.5	3.5
4	4
4.5	4.5
5	5
5.5	5.5
6	6
6.5	6.5
7	7
7.5	7.5
8	8
8.5	8.5
9	9
9.5	9.5
10	10

dB VALUE	"XXX" NUMBER
10.5	105
11	11
11.5	115
12	12
12.5	125
13	13
13.5	135
14	14
14.5	145
15	15
15.5	155
16	16
16.5	165
17	17
17.5	175
18	18
18.5	185
19	19
19.5	195
20	20
21	21

dB VALUE	"XXX" NUMBER
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
50	50

MATERIAL: SEE NOTES

FINISH: SEE NOTES

SURFACE AREA: N/A

PROPRIETARY

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X°X' ±15'

DECIMAL: .X ±.030
.XX ±.010
.XXX ±.005

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994

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