

ROHS COMPLIANT

PRODUCT DATA DRAWING

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

MATERIAL:

BODIES,
COUPLING NUT:

LOCK RINGS,
CONTACTS:

SLEEVE:

BELLOWS:

INSULATORS:

GASKETS:

RESISTOR ELEMENTS:

FINISH:

BODIES,
COUPLING NUT:

CONTACTS,
SLEEVE:

PERFORMANCE:

IMPEDANCE:

FREQ. RANGE:

VSWR:

OPERATING TEMP.:

AVG. POWER:

PEAK POWER:

ENGAGEMENT/
DISENGAGEMENT:

STAINLESS STEEL PER AMS-5640,
ALLOY UNS S30300, TYPE 1

BERYLLIUM COPPER PER ASTM B196,
ALLOY No. UNS C17300, TD04

BRASS PER ASTM B16, ALLOY UNS No. C36000

ELECTRO-DEPOSITED GOLD OVER NICKEL

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

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

ALUMINA SUBSTRATE WITH
TANTALUM NITRIDE RESISTOR

PASSIVATED PER AMS-2700, TYPE 2

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

50 OHMS
DC TO 18.0 GHz
SEE TABLE 1
-55°C TO +125°C
2 WATT (POWER INPUT DERATED LINEARLY
FROM 25°C TO 0.5 WATTS AT 125°C)
500 WATTS (PEAK POWER FOR A DUTY CYCLE
OF 5X10⁻⁴ MAXIMUM PULSE DURATION OF
5 MICROSECONDS)

2 IN-LBS

.312 [7.92]
HEX

"A" MAX.

Ø .298 [7.56]

1/4-36 UNS-2A

.250 [6.35]
ACROSS 2 FLATS

.330 [8.38]

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	DIMENSIONS ARE IN INCHES TOLERANCES:	UNLESS OTHERWISE SPECIFIED	SV Microwave, Inc. 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409	
FINISH:	SEE NOTES	FRACTIONAL: ±1/64 ANGULAR: X° ±1°0' X'X' ±15'	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	TITLE: SMA PLUG TO JACK MICRO ATTENUATOR DC TO 18 GHz	
SURFACE AREA:	N/A	DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005		SIZE CAGE CODE DWG. NO. B 95077 SF0929-6200-XXX	
SURFACE AREA: N/A		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994		SCALE: 4:1	
PROPRIETARY THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SV MICROWAVE, INC IS PROHIBITED.		THIRD ANGLE PROJECTION	DRAWN: FED 03/07/11	SHEET 1 OF 2	
			CHECKED: PJS 03/07/11		
			APPROVED: PJS 03/07/11		

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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	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	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 T.I.R. 7) REMOVE ALL BURRS	SV Microwave, Inc. 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409		
FINISH:	SEE NOTES					
SURFACE AREA:	N/A					
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			CHECKED: PJS 03/07/11			
			APPROVED: PJS 03/07/11	SIZE B	CAGE CODE 95077	DWG. NO. SF0929-6200-XXX
				SCALE: 4:1		SHEET 2 OF 2

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