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

ALUMINA SUBSTRATE WITH RESISTOR ELEMENTS:

TANTALUM NITRIDE RESISTOR

FINISH:

BODIES.

COUPLING NUT: PASSIVATED PER AMS-2700, TYPE 2

CONTACTS.

GOLD PER ASTM B488, TYPE II, SLEEVE:

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 -55°C TO +125°C **OPERATING TEMP.:**

AVG. POWER: 2 WATT (POWER INPUT DERATED LINEARLY

FROM 25°C TO 0.5 WATTS AT 125°C)

500 WATTS (PEAK POWER FOR A DÚTY CYCLE **PEAK POWER:**

OF 5X10-4 MAXIMUM PULSE DURATION OF

5 MICROSECONDS)

ENGAGEMENT/

DISENGAGEMENT: 2 IN-LBS

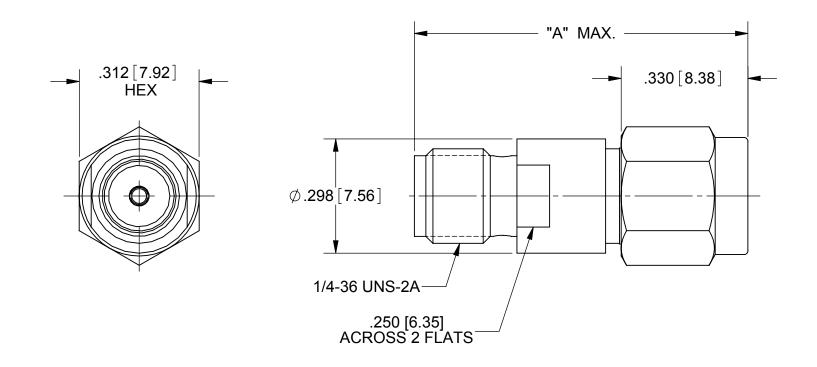


TABLE 1										
dB VALUE	ATTENUATION	NUATION VSWR								
UD VALUE	ACCURACY	DC-2 GHz	12.4-18 GHz	DIM.						
0 dB	+0 /-0.3 dB						.870			
0.5-6.5 dB	±0.3 dB									.870
7-8.5 dB	±0.4 dB						.870			
9-14.5 dB	±0.5 dB	1.10:1					.870			
15-20 dB	±0.6 dB		1.10:1 1	1.10:1	1.10:1	1.15:1	1.20:1	1.25:1	1.35:1	.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			

MATE	RIAL: SE	E NOTES
FINIS	H: SE	E NOTES
SURF	ACE AREA:	V/A
	PROP	RIETARY
IS TH ANY I WITH	E SOLE PROPERT REPRODUCTION II	NTAINED IN THIS DRAWII Y OF SV MICROWAVE, IN N PART OR AS A WHOLE N PERMISSION OF S PROHIBITED.

<u> </u>	DIMENSIONS ARE IN INCHES TOLERANCES:
'	FRACTIONAL: ±1/64 ANGULAR: X° ±1°0'
)	X°X' ±15' DECIMAL: .X ±.030
	.XXX ±.005
	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994

FRACTIONAL: ±1/64 ANGULAR: X° ±1°0′ DECIMAL: .X ±.030 X°X′ ±15′ .XX ±.010	UNLESS OTHERWISE SPECIFIED 1) ALL DIMENSIONS ARE IN INCHES [MILLIMETERS] 2) ALL DIMENSIONS ARE AFTER PLATING. 3) BREAK CORNERS & EDGES .006 Sr. MAX. 4) CHAM. 1ST & LAST THREADS. 5) SURFACE ROUGHNESS 63-MIL-STD-10. 6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .006 T.I.R. 7) REMOVE ALL BURRS	
THIRD ANGLE PROJECTION	DRAWN:	FED 03/07/11
	CHECKED:	PJS 03/07/11
Y U	APPROVED:	PJS 03/07/11

UNLESS OTHERWISE SPECIFIED

SV Microwave, Inc.

2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409

SMA PLUG TO JACK MICRO ATTENUATOR DC TO 18 GHz

SIZE B	95077	DWG.	NO.	SF0929-62	200-XXX
SCALE: 4:1					SHEET 1 OF 2

ROHS COMPLIANT

PRODUCT DATA DRAWING

		REVISION HISTORY		
	REV	DESCRIPTION	DATE	APPROVED
	-	DCN 38051	03/11	PJS
1				

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
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC ANY REPRODUCTION IN PART OR AS A WHOLE WITTEN DEPOMISSION OF

	DIMENSIONS ARE IN INCHES TOLERANCES:
	FRACTIONAL: ±1/64 ANGULAR: X° ±1°0′
	DECIMAL: X ±.030 .XX ±.010 .XXX ±.005
	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994
ING	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 T.I.R.
7) REMOVE ALL BURRS

CHECKED: APPROVED:

4) CHAM. 1ST & LAST THREADS.
5) SURFACE ROUGHNIESS 63-MIL-STD-10.
6) DIA: S ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.
7) REMOVE ALL BURRS

DRAWN: FED 03/07/11

 SMA PLUG TO JACK MICRO ATTENUATOR DC TO 18 GHz

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1 LD 00/07/11	SIZE	CAGE CODE	DWG. NO. O = O O O O	
PJS 03/07/11	В	95077	DWG. NO. SF0929-6200-XXX	
PJS 03/07/11	SCALE: 4:1			SHEET 2 OF 2

Mouser Electronics

Authorized Distributor

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Amphenol: SF0929-6200-01