

ROHS COMPLIANT

PRODUCT DATA DRAWING

REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED
D	DCN 38201	05/11	PJS

MATERIAL:

BODIES,
COUPLING NUT:

LOCK RINGS,
CONTACTS:

SLEEVE:

BELLOWS:

INSULATORS:

GASKETS:

RESISTOR ELEMENTS:

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

FINISH:

BODIES,
COUPLING NUT:

CONTACTS,
SLEEVE:

PASSIVATED PER AMS-2700

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

PERFORMANCE:

IMPEDANCE:
FREQ. RANGE:
VSWR:
OPERATING TEMP.:
AVG. POWER:

50 OHMS
DC TO 12.4 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)
200 WATTS (PEAK POWER FOR A DUTY CYCLE
OF 5X10-4 MAXIMUM PULSE DURATION OF
5 MICROSECONDS)

PEAK POWER:

1.240 MAX [31.50 MAX]

1/4-36 UNS-2B

.250 ACROSS FLATS

.312 HEX.

Ø .370±.015 [9.40±0.38]

"XX" NUMBER TO dB VALUE CHART

"XX" NUMBER	dB VALUE
01	3
02	6
03	10
04	20
05	15
06	1
07	2
08	4
09	5

"XX" NUMBER	dB VALUE
10	7
11	8
12	9
18	16
19	14
20	13
21	12
22	11
23	1.5

TABLE 1

dB VALUE	ATTENUATION ACCURACY	VSWR		
		2-4 GHz	4-8 GHz	8-12.4 GHz
1-6 dB	±0.3 dB	1.15:1	1.20:1	1.25:1
7-9 dB	±0.4 dB			
10 dB	±0.3 dB			
11-20 dB	±0.5 dB			

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: CCC 04/19/04

CHECKED: JMC 04/20/04

APPROVED: JMC 04/20/04

SV Microwave, Inc.

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

TITLE: SMA PLUG TO JACK ATTENUATOR

SIZE B

CAGE CODE 95077

DWG. NO. M3933/14-XX

SCALE: 4:1

SHEET 1 OF 1

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