PRODUCT DATA DRAWING

		REVISION HISTORY		
	REV	DESCRIPTION	DATE	APPROVED
	D	DCN 38201	05/11	PJS
1				

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

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

RESISTOR ELEMENTS: **ALUMINA SUBSTRATE WITH**

TANTALUM NITRIDE RESISTOR

FINISH:

BODIES.

COUPLING NUT: PASSIVATED PER AMS-2700

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 12.4 GHz VSWR: SEE TABLE 1 **OPERATING TEMP.:** -55°C TO +125°C

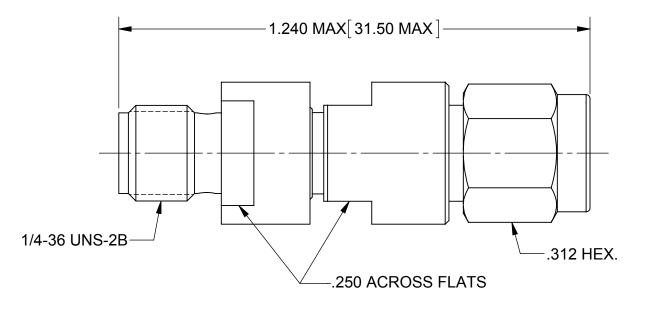
2 WATT (POWER INPUT DERATED LINEARLY FROM 25°C TO 0.5 WATTS AT 125°C) AVG. POWER:

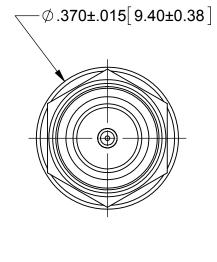
PEAK POWER: 200 WATTS (PEAK POWER FOR A DÚTY CYCLE

OF 5X10-4 MAXIMUM PULSE DURATION OF

5 MICROSECONDS)

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





"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

MATERIAL:	SEE NOTES	DIMENSIONS ARE IN INCHES TOLERANC	
FINISH:	SEE NOTES	FRACTIONAL: ±1/64 ANGULAR: X° ±1°0 X°X' ±15' DECIMAL: .X ±.030 .XX +.010	
SURFACE AR	^{EA:} N/A	.XXX ±.005 INTERPRET DIMENSIONS AND TOLERANCES	
PROPRIETARY THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC.		PER ASME Y14.5M - 1994	
		THIRD ANGLE PROJECTION	
ANY REPRODU	UCTION IN PART OR AS A WHOLE WRITTEN PERMISSION OF 'E, INC IS PROHIBITED.	+ + + + + + + + + + + + + + + + + + +	

TOLERANCES:	UNLESS OTHERWISE SPECIFIED
JLAR: 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.
D TOLERANCES	6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R. 7) DEMOVIE ALL BURDS

) REMOVE ALL BURRS CCC 04/19/04 DRAWN: CHECKED: JMC 04/20/04 JMC 04/20/04 APPROVED:

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

SMA PLUG TO JACK **ATTENUATOR**

SIZE CAGE CODE DWG. NO. M3933/14-XX B 95077 SCALE: 4:1 SHEET 1 OF 1