

PRODUCT DATA DRAWING

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

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.:

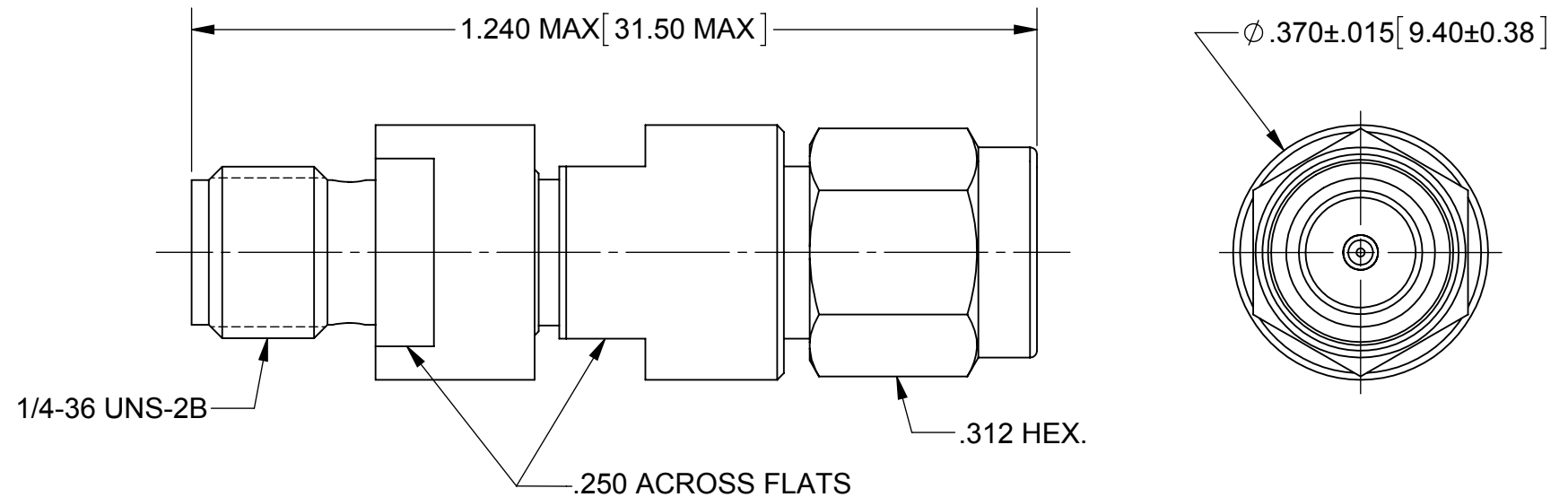
-55°C TO +125°C

AVG. POWER:

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

PEAK POWER:

200 WATTS (PEAK POWER FOR A DUTY CYCLE
OF 5×10^{-4} MAXIMUM PULSE DURATION OF
5 MICROSECONDS)



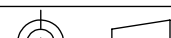
"XX" NUMBER TO dB VALUE CHART

"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

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	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: $\pm 1/64$ ANGULAR: $X^\circ \pm 1^\circ 0'$ $X^\circ X' \pm 15'$		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 μ MIL-STD-10. 6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R. 7) REMOVE ALL BURRS		TITLE:	
SURFACE AREA:	N/A	DECIMAL: $X \pm .030$ $.XX \pm .010$ $.XXX \pm .005$				SMA PLUG TO JACK ATTENUATOR	
PROPRIETARY		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994					
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: CCC 04/19/04		SIZE	
				CHECKED: JMC 04/20/04		CAGE CODE	DWG. NO.
				APPROVED: JMC 04/20/04		B 95077	M3933/14-XX
						SCALE: 4:1	SHEET 1 OF 1