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

PTFE PER ASTM D1710. TYPE I. GRADE 1. CLASS B **INSULATORS:**

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

RESISTOR ELEMENTS: ALUMINA SUBSTRATE WITH

TANTALUM NITRIDE RESISTOR

FINISH:

BODIES,

PASSIVATED PER AMS-2700 COUPLING NUT:

CONTACTS.

SLEEVE: GOLD PER ASTM B488, TYPE II,

CODE C. CLASS 1.27; ÓVER NIĆKEL

PER AMS-QQ-N-290, CLASS 1, .00005" MIN.

PERFORMANCE:

IMPEDANCE: 50 OHMS

FREQ. RANGE: DC TO 18.0 GHz VSWR: SEE TABLE 1 **OPERATING TEMP.:**

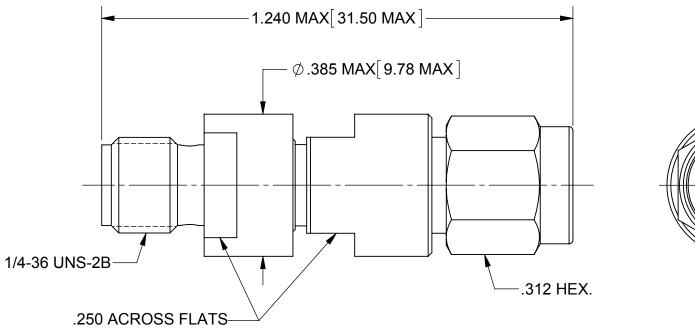
-55°C TO +125°C 2 WATT (POWER INPUT DERATED LINEARLY AVG. POWER:

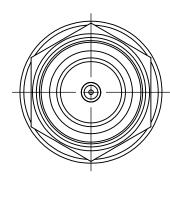
FROM 25°C TO 0.5 WATTS AT 125°C)

500 WATTS (PEAK POWER FOR A DUTY CYCLE OF 5X10-4 MAXIMUM PULSE DURATION OF **PEAK POWER:**

5 MICROSECONDS)

TABLE 1					
dB VALUE	ATTENUATION	VSWR			
UB VALUE	ACCURACY	DC-4 GHz	4-8 GHz	8-12.4 GHz	12.4-18 GHz
0-2.5 dB	±0.4 dB	1.15:1	1.20:1	1.25:1	1.35:1
3-6.5 dB	±0.3 dB				
7-15.5 dB	±0.5 dB		1.20.1	1.23.1	1.33.1
16-20 dB	+0.7 dB				





"XX" NUMBER TO dB VALUE CHART

"XX" NUMBER	dB VALUE
-01	3
-02	6
-03	10
-04	20
-05	1
-06	2
-07	4
-08	5
-09	7
-10	8
-11	9
-16	0
-17	0.5
-18	1.5

"XX" NUMBER	dB VALUE
-19	2.5
-20	3.5
-21	4.5
-22	5.5
-23	6.5
-24	7.5
-25	8.5
-26	9.5
-27	10.5
-28	11
-29	11.5
-30	12
-31	12.5
-32	13

UNLESS OTHERWISE SPECIFIED

"XX" NUMBER	dB VALUE
-33	13.5
-34	14
-35	14.5
-36	15
-37	15.5
-38	16
-39	16.5
-40	17
-41	17.5
-42	18
-43	18.5
-44	19
-45	19.5
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MATERIAL:	SEE NOTES	
FINISH:	SEE NOTES	
SURFACE AREA: N/A PROPRIETARY		

	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
3	THIRD ANGLE PROJECTION

ONAL: ±1/64 ANGULAR: X° ±1°0' X°X' ±15' LL: X ±.030	1) ALL DIMENSIONS ARE IN INCHES [MILLIMETERS] 2) ALL DIMENSIONS ARE AFTER PLATING 3) BREAK CORNERS & EDGES. 005 F. 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		
RD ANGLE PROJECTION	DRAWN:	MEB 01/31/03	
	CHECKED:	STW 01/31/03	
ΨÜ	APPROVED:	STW 01/31/03	

SV Microwave, Inc.

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

TITLE: SMA JACK TO PLUG DC-18 GHz **ATTENUATOR**

M3933/16-XX B 95077 SCALE: 4:1 SHEET 1 OF 1