

PRODUCT DATA DRAWING

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

MATERIAL:

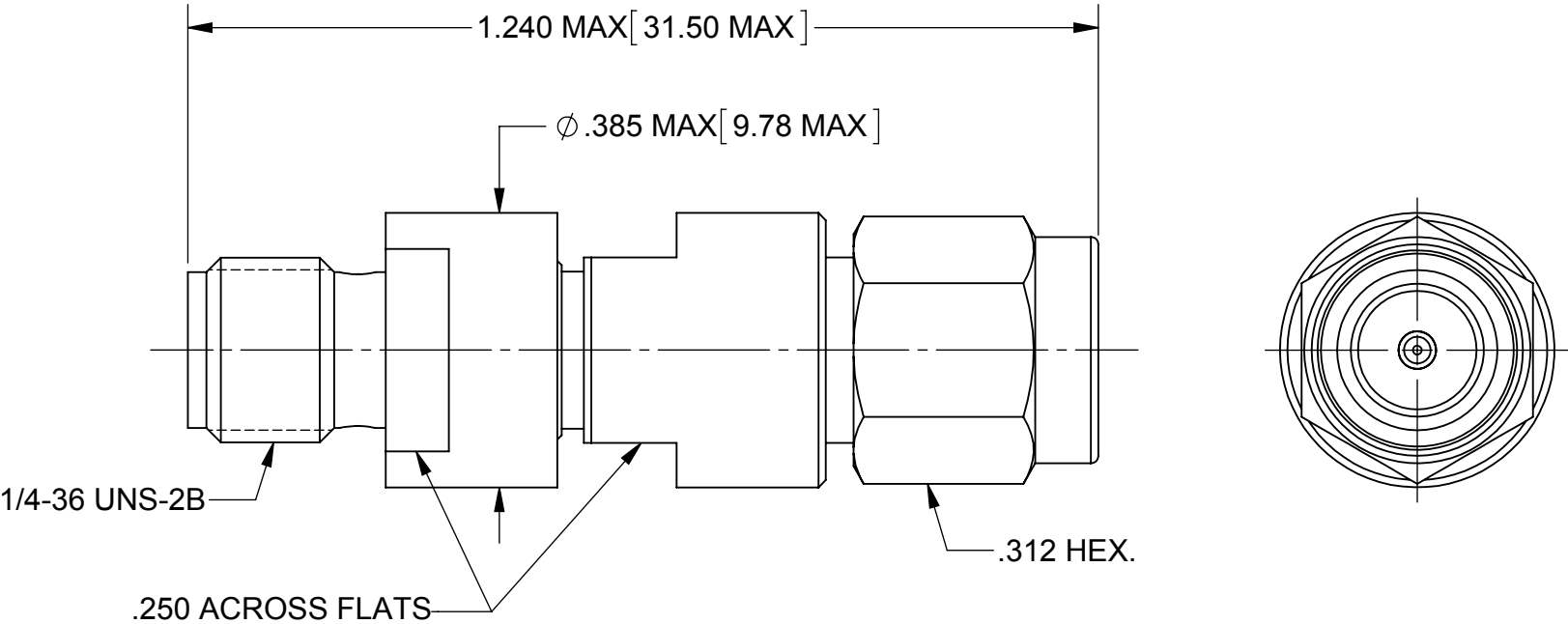
BODIES, COUPLING NUT:	STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1
LOCK RINGS, CONTACTS:	BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04
SLEEVE:	BRASS PER ASTM B16, ALLOY UNS No. C36000
BELLOWS:	ELECTRO-DEPOSITED GOLD OVER NICKEL
INSULATORS:	PTFE PER ASTM D1710, TYPE I, GRADE 1, 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 18.0 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:	500 WATTS (PEAK POWER FOR A DUTY CYCLE OF 5X10-4 MAXIMUM PULSE DURATION OF 5 MICROSECONDS)



"XX" NUMBER TO dB VALUE CHART

"XX" NUMBER	dB VALUE	"XX" NUMBER	dB VALUE	"XX" NUMBER	dB VALUE
-01	3	-19	2.5	-33	13.5
-02	6	-20	3.5	-34	14
-03	10	-21	4.5	-35	14.5
-04	20	-22	5.5	-36	15
-05	1	-23	6.5	-37	15.5
-06	2	-24	7.5	-38	16
-07	4	-25	8.5	-39	16.5
-08	5	-26	9.5	-40	17
-09	7	-27	10.5	-41	17.5
-10	8	-28	11	-42	18
-11	9	-29	11.5	-43	18.5
-16	0	-30	12	-44	19
-17	0.5	-31	12.5	-45	19.5
-18	1.5	-32	13		

TABLE 1					
dB VALUE	ATTENUATION ACCURACY	VSWR			
		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				
16-20 dB	±0.7 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: ±1/64 ANGULAR: 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. 6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R. 7) REMOVE ALL BURRS		
SURFACE AREA:	N/A	DECIMAL: .X ±.030 .XX ±.010 .XXX ±.005	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994	TITLE: SMA JACK TO PLUG DC-18 GHz ATTENUATOR	
PROPRIETARY 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: MEB 01/31/03	SIZE: B	CAGE CODE: 95077
			CHECKED: STW 01/31/03	DWG. NO. M3933/16-XX	SHEET 1 OF 1
			APPROVED: STW 01/31/03	SCALE: 4:1	