

PRODUCT DATA DRAWING

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

MATERIAL:

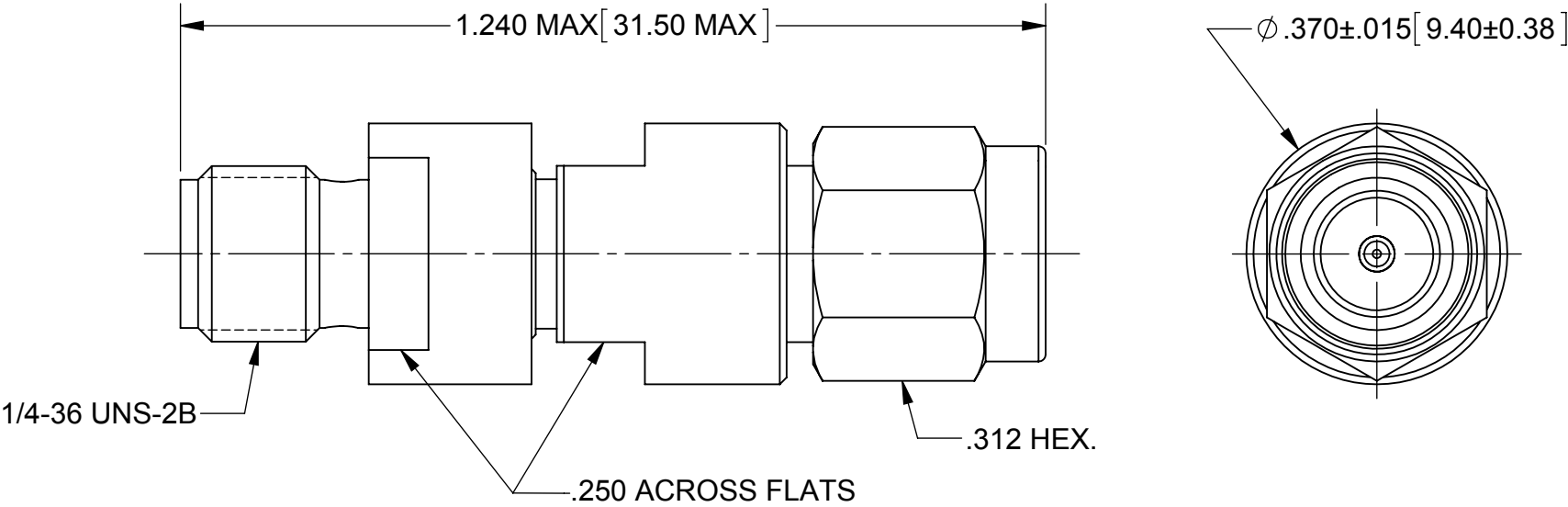
BODIES, COUPLING NUT:	STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1
LOCK RINGS, CONTACTS:	BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04
SLEEVE:	BRASS PER ASTM B16, ALLOY UNS No. C36000
BELLOWS:	ELECTRO-DEPOSITED GOLD OVER NICKEL
INSULATORS:	PTFE PER ASTM D1710, TYPE I, GRADE 1,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



"XX" NUMBER TO dB VALUE CHART

"XX" NUMBER	dB VALUE	"XX" NUMBER	dB VALUE
01	3	10	7
02	6	11	8
03	10	12	9
04	20	18	16
05	15	19	14
06	1	20	13
07	2	21	12
08	4	22	11
09	5	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	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' 						

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