

PRODUCT DATA DRAWING

CAD GENERATED DRAWING	DCN CONTROLLED DOCUMENT	DWG. NO. M3933/25-XX
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MATERIAL:

BODIES & COUPLING NUT: STAINLESS STEEL PER AMS-5640

LOCK RING & CONTACTS: BERYLLIUM COPPER PER ASTM B196

SLEEVE: BRASS PER ASTM B16

BELLOWS SPRING: ELECTRO DEPOSITED NICKEL: GOLD PLATED

INSULATORS: PTFE PER ASTM D1710

GASKET: SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50/60

RESISTOR ELEMENT: ALUMINUM NITRIDE SUBSTRATE WITH TANTALUM NITRIDE RESISTOR; GOLD PLATED TERMINATIONS

FINISH:

BODIES & COUPLING NUT: PASSIVATED PER AMS-QQ-P-35, TYPE II

CONTACTS & SLEEVE: GOLD PER ASTM B 488, TYPE II, GRADE C, CLASS 1.52; OVER NICKEL PER AMS-QQ-N-290, CLASS 1

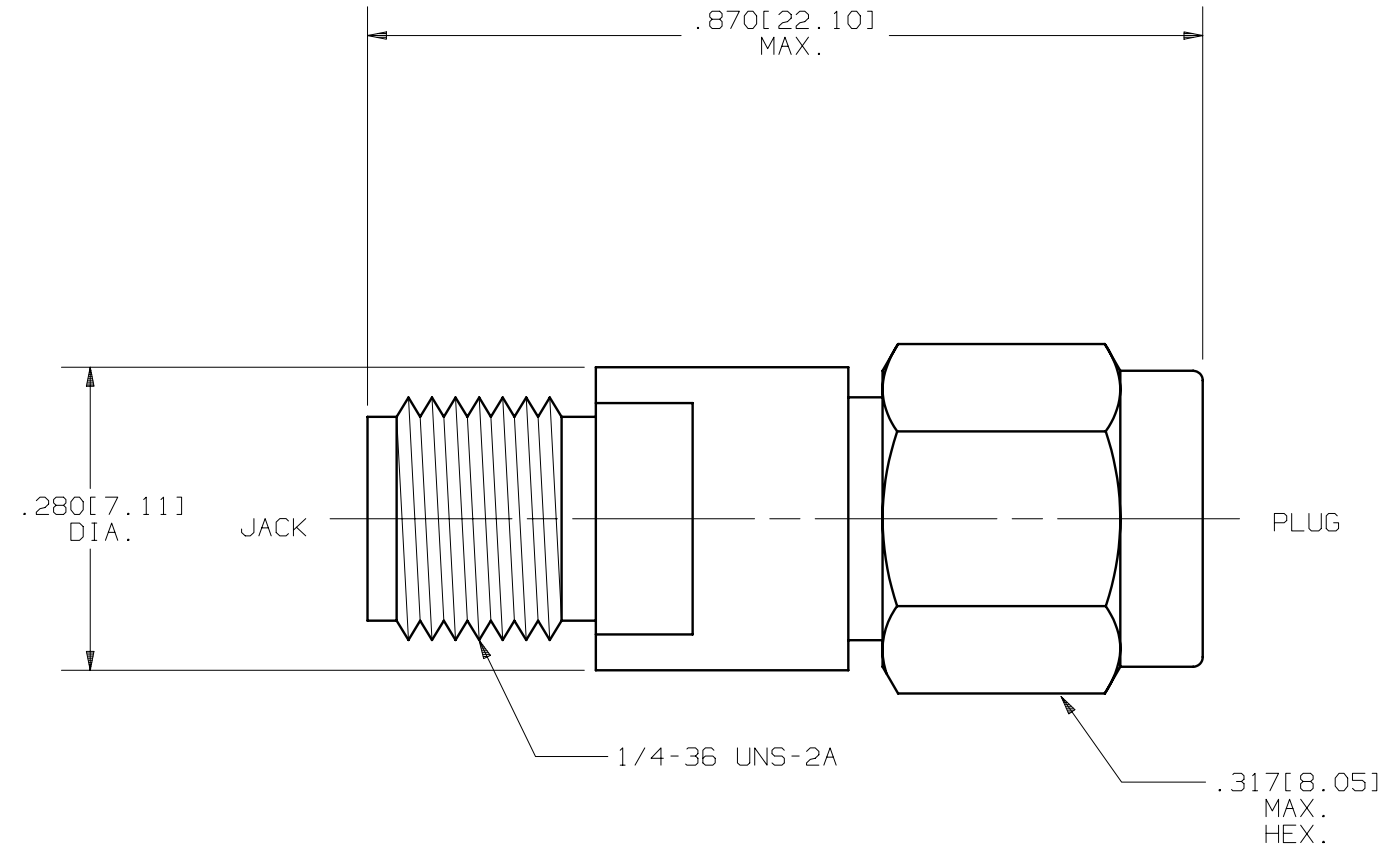
PERFORMANCE:

IMPEDANCE: 50 OHMS

FREQ. RANGE: DC TO 18.0 GHz

AVG. POWER: 2.0 WATTS (NOTE 1)

PEAK POWER: 500 WATTS (NOTE 2)



NOTES:

- POWER INPUT DERATED LINEARLY FROM 25°C TO .5 WATTS AT 125°C.
- PEAK POWER FOR A DUTY CYCLE OF 5 X 10⁻⁴ MAXIMUM PULSE DURATION OF 5 MICROSECONDS.

ELECTRICAL CHARACTERISTICS		VSWR				
ATTENUATOR INCREMENT (dB)	ATTENUATION ACCURACY (dB)	DC TO 2 GHz	2 TO 4 GHz	4 TO 8 GHz	8 TO 12.4 GHz	12.4 TO 18 GHz
.5 TO 6.5	+/- .3	1.10	1.15	1.20	1.25	1.35
7 TO 8.5	+/- .4					
9 TO 14	+/- .5					
15 TO 20	+/- .6					

SYM.	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED: 1) ALL DIMENSIONS ARE AFTER PLATING. 2) BREAK CORNERS & EDGES .005 R. MAX. 3) CHAM. 1s1 & LAST THDS. 4) SURFACE ROUGHNESS 63 / MIL-STD-10. 5) DIAS. ON COMMON CENTERS TO BE CONCENTRIC WITHIN .005 T.I.R. 6) REMOVE ALL BURRS.	DIMENSIONS ARE IN INCHES TOLERANCES:			SV Microwave, Inc. 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409 TITLE: SMA JACK TO PLUG DC-18 GHz ATTENUATOR DWG. NO. M3933/25-XX
-	REL.DCN 29580	03/03	STW		DECIMALS .X ±.030	FRACTIONAL ±1/64	ANGULAR X° ±1'0"	
A	REV.DCN 31895	01/05	CCC		.XX ±.015		X°X' ±15'	
B	REV.DCN 33116	06/05	CCC		.XXX ±.005			
					MATERIAL: SEE ABOVE	□" AREA: N/A		
					FINISH: SEE ABOVE			
				DRAWN: VMJ 03/07/03	SIZE B	CAGE NO. 95077	SCALE 5X	
				CHECKED: STW 03/09/03				
				APPROVED: STW 03/09/03				