

PRODUCT DATA DRAWING

CAD GENERATED DRAWING	DCN CONTROLLED DOCUMENT	DWG. NO. SF0929-6112-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

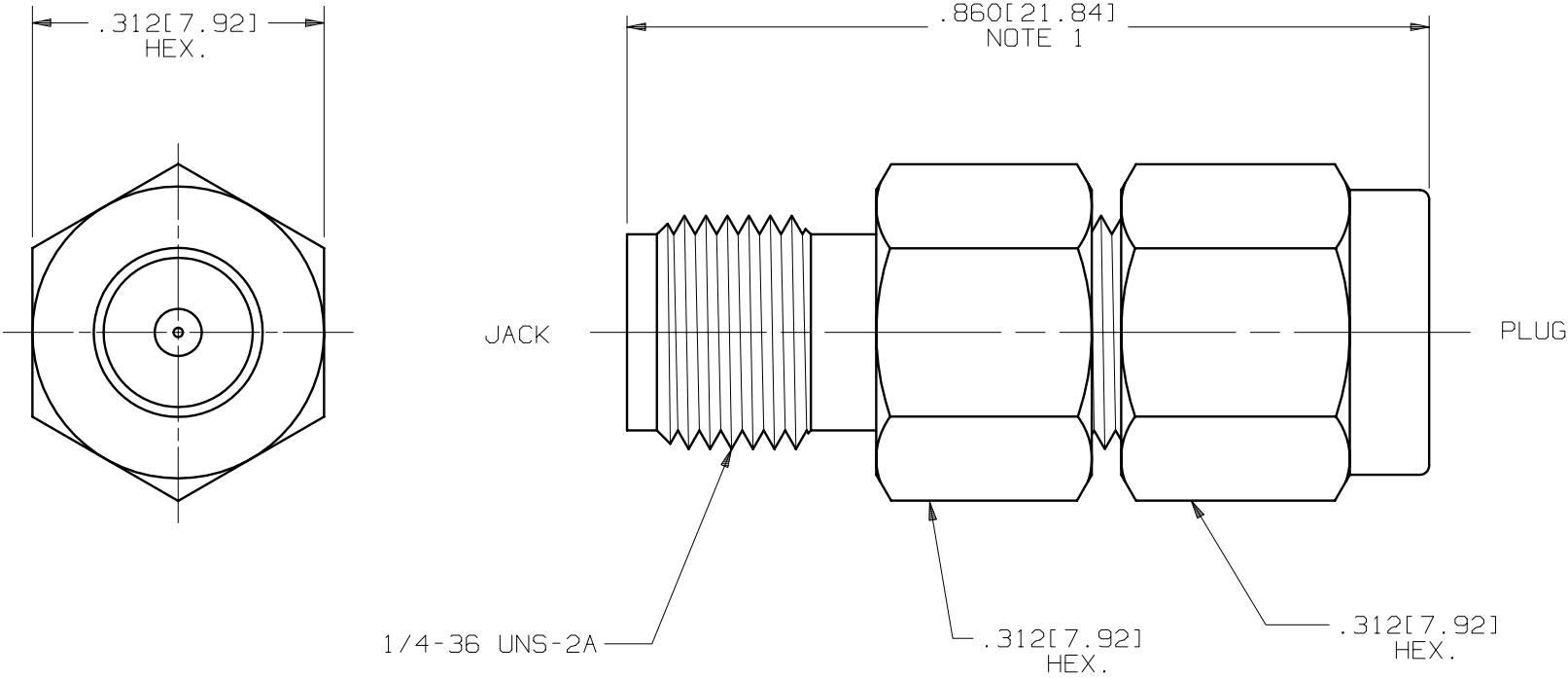
FINISH :

BODIES & COUPLING NUT:	PASSIVATED PER AMS-QQ-P-35, TYPE II
CONTACTS & SLEEVE:	GOLD PER ASTM B 488, TYPE I, GRADE C, CLASS 1.27; OVER NICKEL PER QQ-N-290, CLASS 1

PERFORMANCE :

IMPEDANCE:	50 OHMS
FREQ. RANGE:	DC TO 18.0 GHz
AVG. POWER:	2 WATTS (NOTE 1)
PEAK POWER:	500 WATTS (NOTE 2)
CONNECTOR DURABILITY:	500 CYCLES
ENGAGEMENT/DISENGAGEMENT:	2 IN-LBS.

- 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.
 - ADD .125" TO OVERALL LENGTH FOR 30 AND 40 dB.



DC TO 18 GHZ					
DB VALUE	ATTENUATION ACCURACY	DC-4 VSWR	4-8 VSWR	8-12.4 VSWR	12.4-18 VSWR
0 - .5 DB	+ 0 DB - .3 DB	1.15	1.20	1.25	1.35
1 - 6 DB	+/- .3 DB				
7 - 8 DB	+/- .4 DB				
9 - 14 DB	+/- .5 DB				
15 - 20 DB	+/- .6 DB				
30 & 40 DB	+/- 1.0 DB				

SYM.	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED: 1)ALL DIMENSIONS ARE AFTER PLATING. 2)BREAK CORNERS & EDGES .005 R.MAX. 3)CHAM. 1st & 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
-	REL. NRN 26520	11/00	DWC		DECIMALS	FRACTIONAL	ANGULAR	
A	REV. DCN 31544	06/04	CCC		.X ±.030		X° ±1°0′	
B	REV. DCN 31895	02/05	CCC		.XX ±.015	±1/64	X°X′ ±15′	TITLE: SMA JACK TO SMA PLUG ATTENUATOR
					.XXX ±.005			
				DRAWN:	SEE ABOVE		□" AREA:	DWG. NO. SF0929-6112-XX
					MGT 06/02/04		N/A	
				CHECKED:	SEE ABOVE			
				APPROVED:	SIZE	CAGE NO.	SCALE	
				DWC 11/03/00	B	95077	5X	

Mouser Electronics

Authorized Distributor

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