

PRODUCT DATA DRAWING

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

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

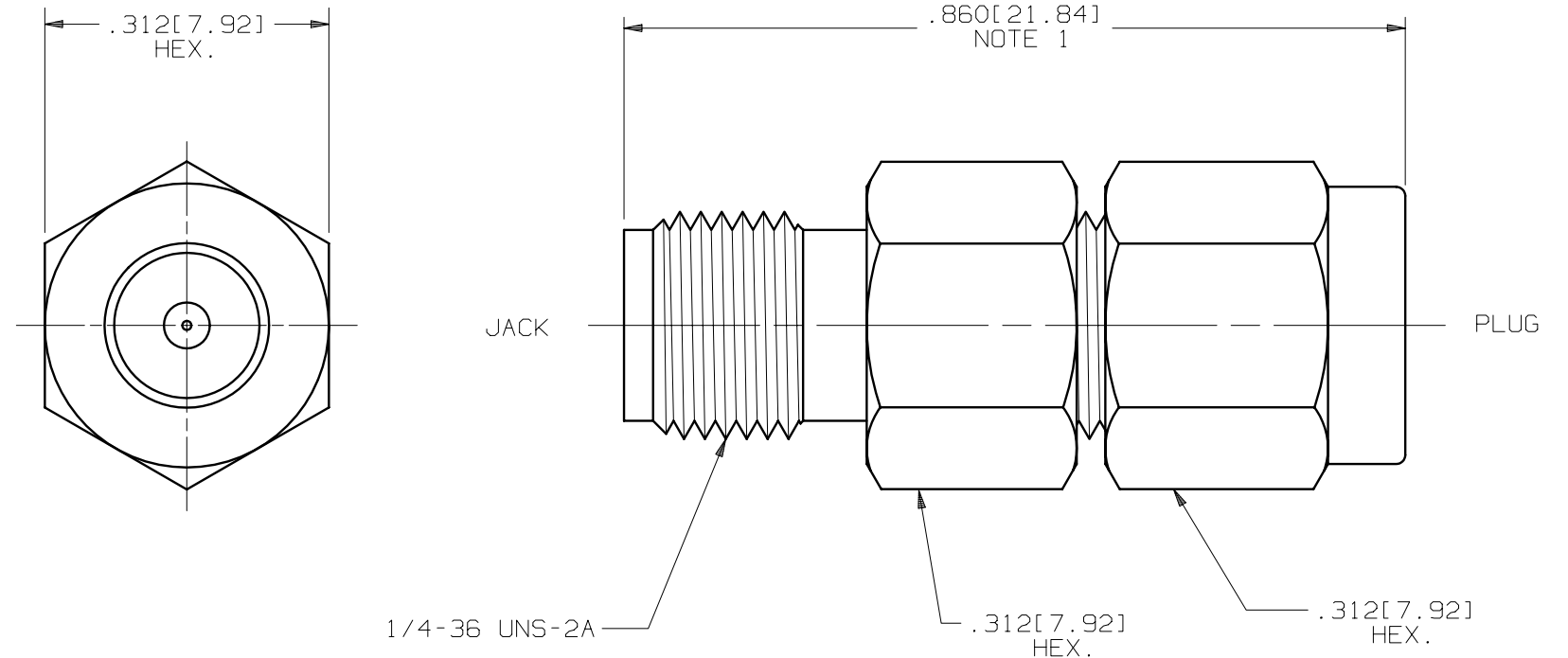
FREQ. RANGE: DC TO 18.0 GHz

AVG. POWER: 2 WATTS (NOTE 1)

PEAK POWER: 500 WATTS (NOTE 2)

CONNECTOR DURABILITY: 500 CYCLES

ENGAGEMENT/DISENGAGEMENT: 2 IN-LBS.



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				

- NOTES:
1. POWER INPUT DERATED LINEARLY FROM 25°C TO .5 WATTS AT 125°C.
 2. PEAK POWER FOR A DUTY CYCLE OF 5 X 10⁻⁴ MAXIMUM PULSE DURATION OF 5 MICROSECONDS.
 3. ADD .125" TO OVERALL LENGTH FOR 30 AND 40 dB.

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: DECIMALS FRACTIONAL ANGULAR .X ±.030 .XX ±.015 ±1/64 X° ±1°0' .XXX ±.005 X°X' ±15'			SV Microwave, Inc. 2400 Centrepark West Drive, Suite 100 West Palm Beach, FL 33409	
-	REL. NRN 26520	11/00	DWC					TITLE: SMA JACK TO SMA PLUG ATTENUATOR	
A	REV. DCN 31544	06/04	CCC					DWG. NO. SF0929-6112-XX	
B	REV. DCN 31895	02/05	CCC						
				DRAWN: MGT 06/02/04	FINISH: SEE ABOVE	□" AREA: N/A			
				CHECKED:	SIZE B	CAGE NO. 95077	SCALE 5X		
				APPROVED: DWC 11/03/00					

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[SF0929-6112-20](#)