

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 :

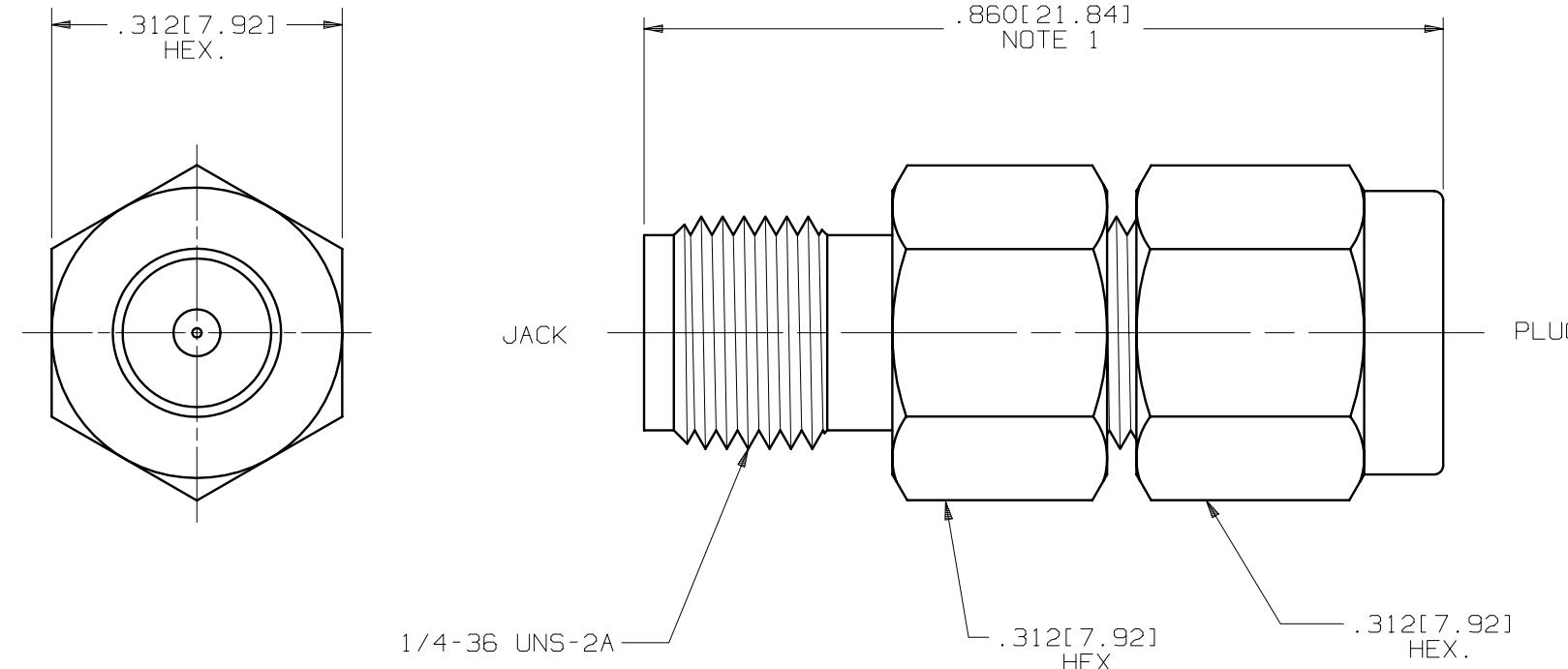
BODIES & COUPLING NUT: PASSIVATED PER AMS-QQ-P-35, TYPE II
CONTACTS & SLEEVE: GOLD PER ASTM B 488, TYPE I,
GRADE C, CLASS 1.27; OVER NICKEL
PER QQ-N-290, CLASS 1

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

- 1. POWER INPUT DERATED LINEARLY FROM 25°C TO .5 WATTS AT 125°C.
- 2. PEAK POWER FOR A DUTY CYCLE OF 5×10^{-4} MAXIMUM PULSE DURATION OF 5 MICROSECONDS.
- 3. 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 - 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 J MIL-STD-10. 5) DIA'S. 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 X° ±1°0' .XX ±.015 ±1/64 X°X'±15' .XXX ±.005			TITLE: SMA JACK TO SMA PLUG ATTENUATOR		
-	REL. NRN 26520	11/00	DWC							
A	REV. DCN 31544	06/04	CCC							
B	REV. DCN 31895	02/05	CCC							
				DRAWN: MGT 06/02/04	SEE ABOVE					
				CHECKED:	SEE ABOVE					
				APPROVED: DWC 11/03/00	SIZE B	CAGE NO. 95077	SCALE 5X			
								DWG. NO. SF0929-6112-XX		

Mouser Electronics

Authorized Distributor

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