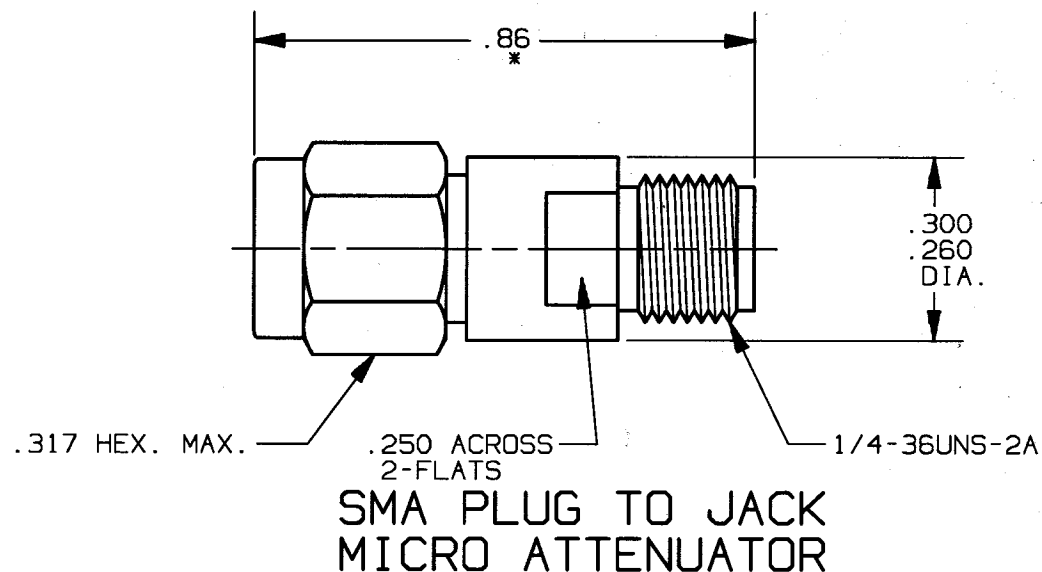


CONFIGURATION



* ADD 1/8" TO OVERALL LENGTH FOR 30 & 40 dB

MATERIAL & FINISH:

BODIES AND COUPLING NUT: STAINLESS STEEL PER AMS-5640, UNS S30300, TYPE I. PASSIVATED PER QQ-P-35C, TYPE II.

CONTACTS: BERYLLIUM COPPER PER ASTM-B196, COND.TD04, ALLOY UNS-C17300; GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1; OVER NICKEL PER QQ-N-290, CLASS 1.

LOCK RING: BERYLLIUM COPPER PER ASTM-B196, COND.TD04, ALLOY UNS-C17300.

BELLOWS SPRING: ELECTRO DEPOSITED NICKEL: GOLD PLATED PER MIL-G-45204, TYPE II, CLASS I, GRADE A.

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

ELEMENT SLEEVE: BRASS PER ASTM-B16, ALLOY 360. GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1; OVER NICKEL PER QQ-N-290, CLASS 1.

INSULATORS: POLYTETRAFLUOROETHYLENE PER ASTM-D-1457.

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

ELECTRICAL:

NOMINAL IMPEDANCE (OHMS)	50
AVERAGE POWER RATING (MAX. WATTS @ +25°C)	2.0*
POWER RATING (WATTS DERATED LINEARLY @ 125°C)	.5
PEAK POWER (MAX.WATTS)	500**
CONNECTOR DURABILITY (MIN.CYCLES)	500
ENGAGEMENT/DISENGAGEMENT (MAX.IN.LBS)	2.0

ENVIRONMENTAL:

OPERATING TEMPERATURE RATING (DEGREES CENTIGRADE)	-55°C TO +125°C
VIBRATION (MIL-STD-202, METHOD 204, COND.D, 20G'S)	
SHOCK (MIL-STD-202, METHOD 213, COND.I, 100G'S)	
TEMPERATURE CYCLING (MIL-STD-202, METHOD 107, COND.B, -65c TO 125° C)	
MOISTURE RESISTANCE (MIL-STD-202, METHOD 106, LESS STEP 7B)	

* POWER INPUT DERATED LINEARLY FROM 25°C TO .5 WATT @ 125°C.
**PEAK POWER FOR A DUTY CYCLE OF 5×10^{-4} MAXIMUM PULSE DURATION OF 5 MICROSECONDS.

ELECTRICAL CHARACTERISTICS

DB VALUE	ATTENUATION ACCURACY	VSWR MAX.				
		DC-2 GHz	2-4 GHz	4-8 GHz	8-12.4 GHz	12.4-18 GHz
.5 - 6 DB	+/- .3 DB					
7 - 8 DB	+/- .4 DB	1.10	1.15	1.20	1.25	1.35
9 - 14 DB	+/- .5 DB					
15 - 20 DB	+/- .6 DB					
30 & 40 DB	+/- 1.0 DB					

SYM.	DESCRIPTION	DATE	APPR.	DRAWN:	APPROVED:
—	REL.NRN 22375	3-96	DWC	STW	<i>[Signature]</i>
				DATE 2/26/96	DATE 3-16-96

SOLITRON VECTOR
3301 ELECTRONICS WAY
WEST PALM BEACH, FL 33407

DWG. NO. SHEET 1 OF 1
SF0929-6200-XX