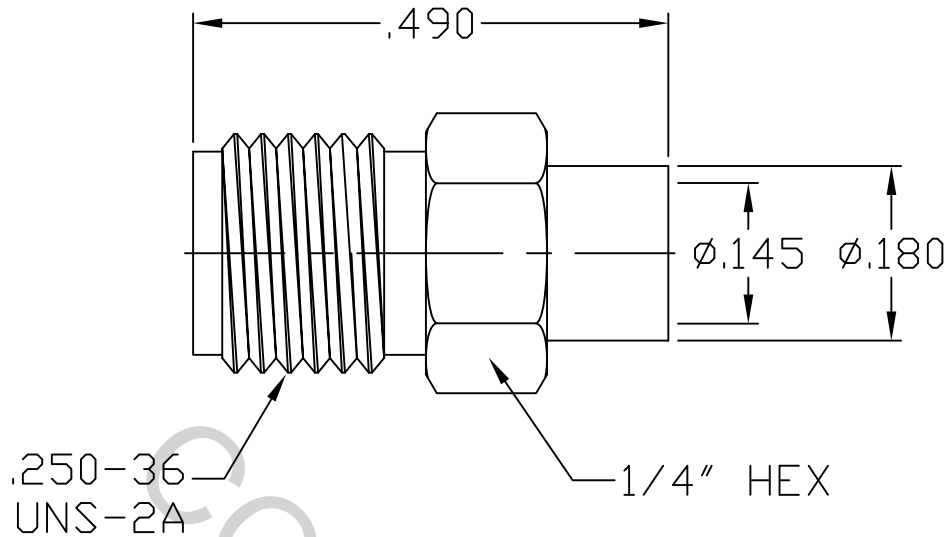


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2).


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX.) *	_____	1.05 + .004 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.03 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	300
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 °c TO + 165 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

*TERMINATED IN A 50 OHM LOAD

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL MA. 01835
AA	05-1418	4/4/05	DC	DECIMALS .X ±.030 .XX ±.010 .XXX ±.005	FRACTIONAL ±/64	ANGULAR X ° ±1 0' X ° X' ±15'	
AB	18-1468	4/27/18	DC				TITLE SMA JACK DIRECT SOLDER .141 DIA. SEMI-RIGID
				DRAWN	DC	DATE 4/4/05	
				APPROVED	DC	DATE 4/4/05	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9900-4120-6444
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX. AXIAL FORCE _____ N/A
MAX. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ INTERFACE 32.0
● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT(MAX. IN. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RRECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-55° c TO + 120° c)
SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)
VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b
CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (275 VRMS)

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.
INSULATOR _____ TEFLON

6. FINISH

BODY _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)
(.000010 MIN. THK.).
CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000050 MIN. THK.) OVER COPPER PER AMS-2418
(.000010 MIN. THK.).
INSULATOR _____ N/A