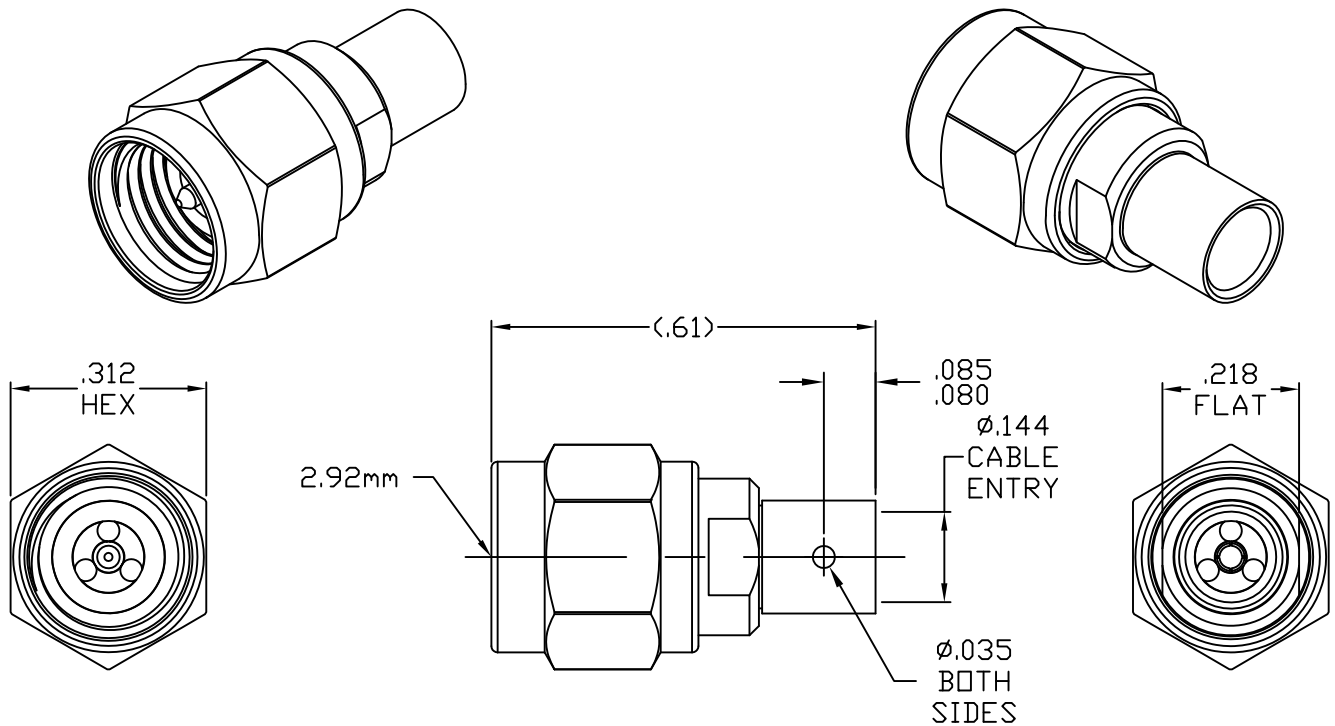


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, Fig. 323.1 (2.92mm, PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 34.0 GHz
VSWR (MAX.) *	_____	1.05 + .01 x FGHZ
INSERTION LOSS (dB MAX.)	_____	.03 dB x $\sqrt{\text{FGHZ}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHZ
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-45 ° c TO + 125 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA. 01835
AA	07-2169	12/4/07	DC	DECIMALS	FRACTIONAL	ANGULAR	
AB	17-2344	11/27/17	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	
				DRAWN: DC DATE: 12/4/07			TITLE 2.9mm, MALE, STRAIGHT DIRECT SOLDER TO .141 SEMI-RIGID CABLE
				APP.: DC DATE: 12/4/07			
				CODE IDENT.			DWG. NO. 9400-4125-6201
				2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT	
MAX. AXIAL FORCE _____	6.0 LBS.
MAX. RADIAL TORQUE _____	N/A
CENTER CONTACT AXIAL FORCES	
● INSERTION (MAX. OUNCES) _____	N/A
● WITHDRAWAL (MIN. OUNCES) _____	N/A
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 (-25° c TO +125° 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.) (190 VRMS)

5. MATERIAL

BODY, PRESS SLEEVE & COUPLING NUT _____	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACTS & RETAINING RING _____	BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. C17300, TEMPER TD04.
INSULATOR _____	POLYSTYRENE
GASKET _____	SILICONE RUBBER PER ZZ-R-765

6. FINISH

PRESS SLEEVE _____	GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 1.27 (.000050 Minimum Thickness) OVER NICKEL per SAE-AMS-QQ-N-290, CLASS 1 (.000150 Minimum Thickness). OVER NICKEL (WOODS OR WATTS) (.000010 Minimum Thickness).
BODY & COUPLING NUT _____	PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
CONTACTS _____	GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.75 (.000030 Minimum Thickness) OVER NICKEL per SAE-AMS-QQ-N-290 (.000050 Minimum Thickness) OVER COPPER per AMS-2418 (.000010 Minimum Thickness).
INSULATOR, GASKET & RETAINING RING _____	N/A