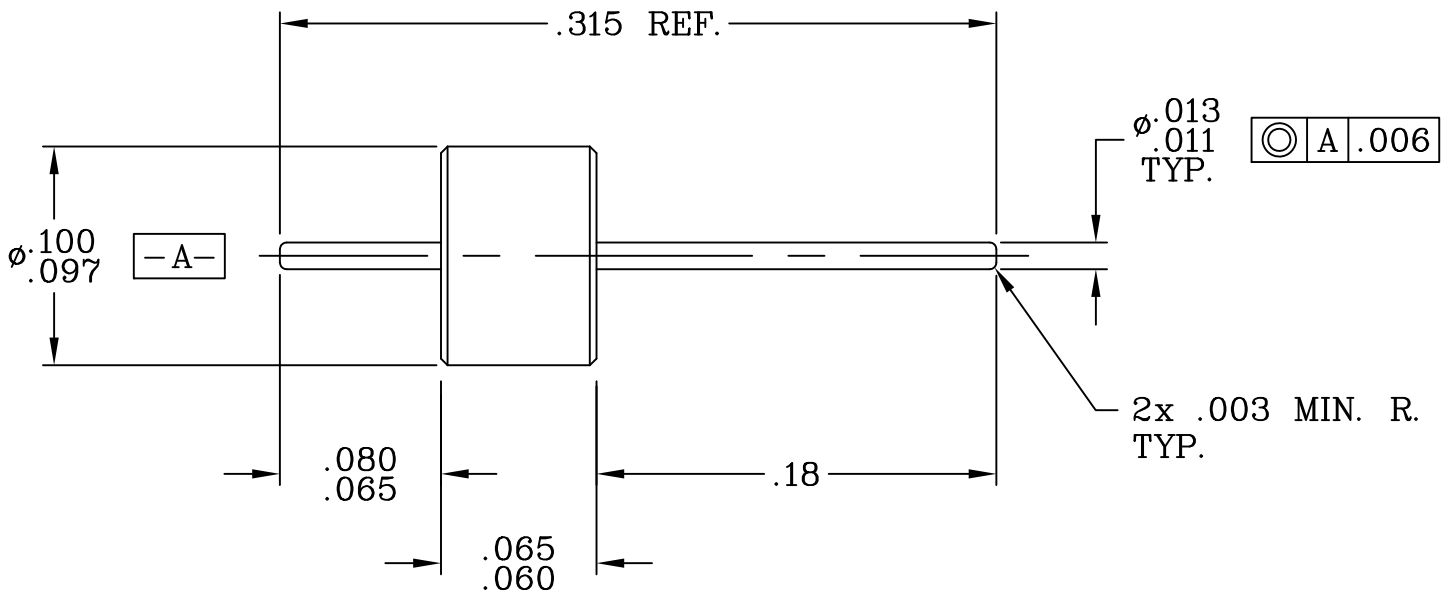


SPECIFICATION CONTROL DRAWING



1. MATING NOT APPLICABLE

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 37.0 GHz.
VSWR (MAX.) *	1.02 + .003 x FGHz
INSERTION LOSS (dB MAX.)	.06 dB x FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	10.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 Haverhill, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	278	2/87	CDM	.X ± .030 .XX ± .010 .XXX ± .005	±1/64	X° ± f' 0" X° X' ± 15"	
AA	05-2279	12/5/05	DC				
AB	08-1390	4/9/08	DC	DRAWN	CDM	DATE	2/87
BA	09-1805	10/20/09	DC	APPROVED	TS	DATE	2/87
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 455-02-012
				2J899			

TITLE
**GLASS SEAL 50 OHM
FEEDTHROUGH**

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ 4.0 IN. OZ.

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX OUNCES) _____ N/A

● WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN LBS.) _____ N/A

CONNECTOR DURABILITY (MIN. CYCLES) _____ N/A

RECOMMENDED MATING TORQUE _____ N/A

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 200 ° 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)

HERMETICITY _____ 1×10^{-8} cc/SEC.

5. MATERIAL

GLASS _____ ELECTRO-GLASS EN-1

GLASS, MALE PIN _____ KOVAR PER MIL-I-23011

GLASS RING _____ KOVAR PER MIL-I-23011

6. FINISH

GLASS, RING AND MALE PIN _____ GOLD per ATSM B 488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290, CLASS 1
(.000150 MIN. THK.)

GLASS _____ N/A