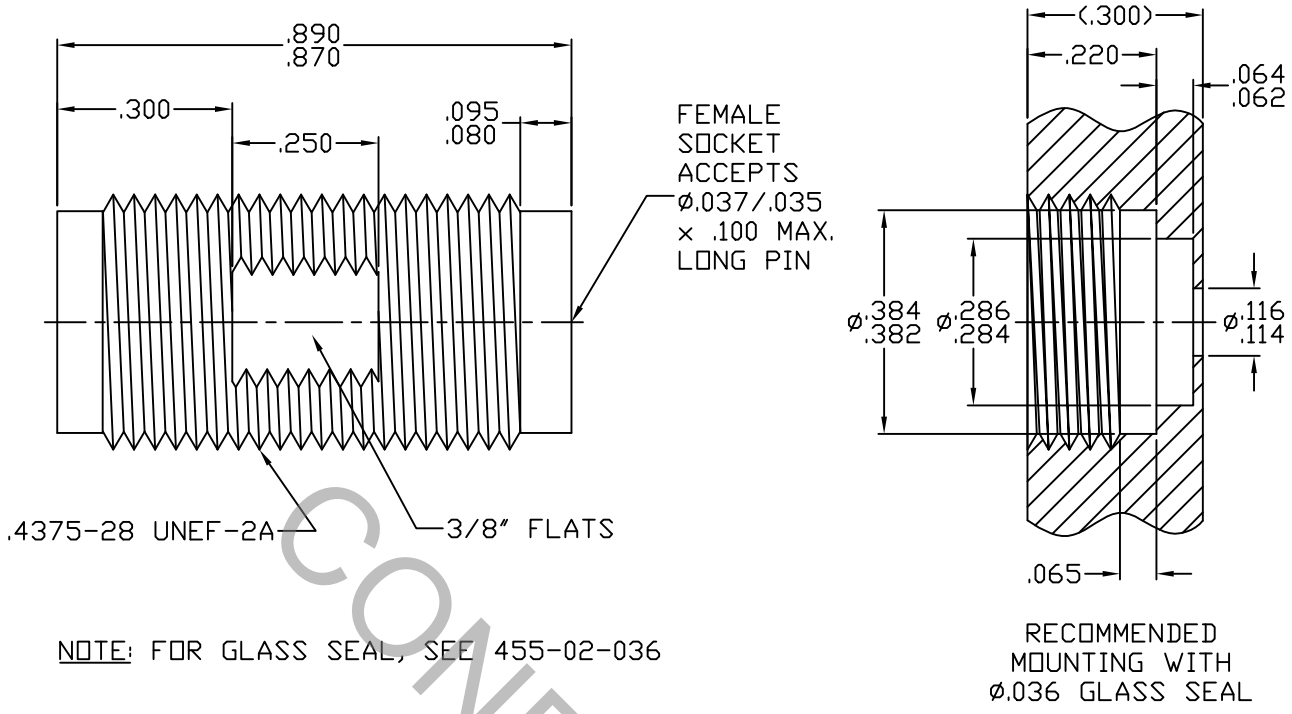
SPECIFICATION CONTROL DRAWING



NOTE: FOR GLASS SEAL, SEE 455-02-036

RECOMMENDED MOUNTING WITH Ø.036 GLASS SEAL

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1. MATING

INTERFACE DIMENSIONS PER MIL-STD 348 Fig. 313.2

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz
VSWR (MAX.) *	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX.)	.06 dB x $\sqrt{FGHz}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	400
RF LEAKAGE (MIN. dB DOWN)	100 dB – FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 165 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,250
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

REV.	DCN NO.	DATE	APP.
AA	05-1528	4/28/05	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	±1/64	X °±1°0' X °X' ±15'

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN DC DATE 4/28/05

APPROVED DC DATE 4/28/05

TITLE KTNC JACK SCREW-IN MIC. PACKAGE ACCEPTS .036 DIA. PIN

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 8530-0081-6236

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)	32.0, REAR 32.0
● WITHDRAWAL (MIN. OUNCES)	2.0, REAR 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	
● INTERFACE	18 – 22 IN. LBS.
● PACKAGE	30 – 32 IN. LBS.

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.) (300 VRMS)
HERMETICITY	1×10^{-8} cc/SEC.

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5. MATERIAL

BODY	STAINLESS STEEL PER AMS–5640, TYPE 303, COND. A
CONTACT	BERYLLIUM COPPER PER QQ–C–530, ALLOY 173, COND. H.T.
INSULATOR	TEFLON PER MIL–P–19468, AND L–P–403, TYPE I

6. FINISH

BODY	PASSIVATE PER QQ–P–35, TYPE 2
CONTACT	**GOLD per ASTM–B–488, TYPE I, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ–N–290 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)**
INSULATOR	**N/A**