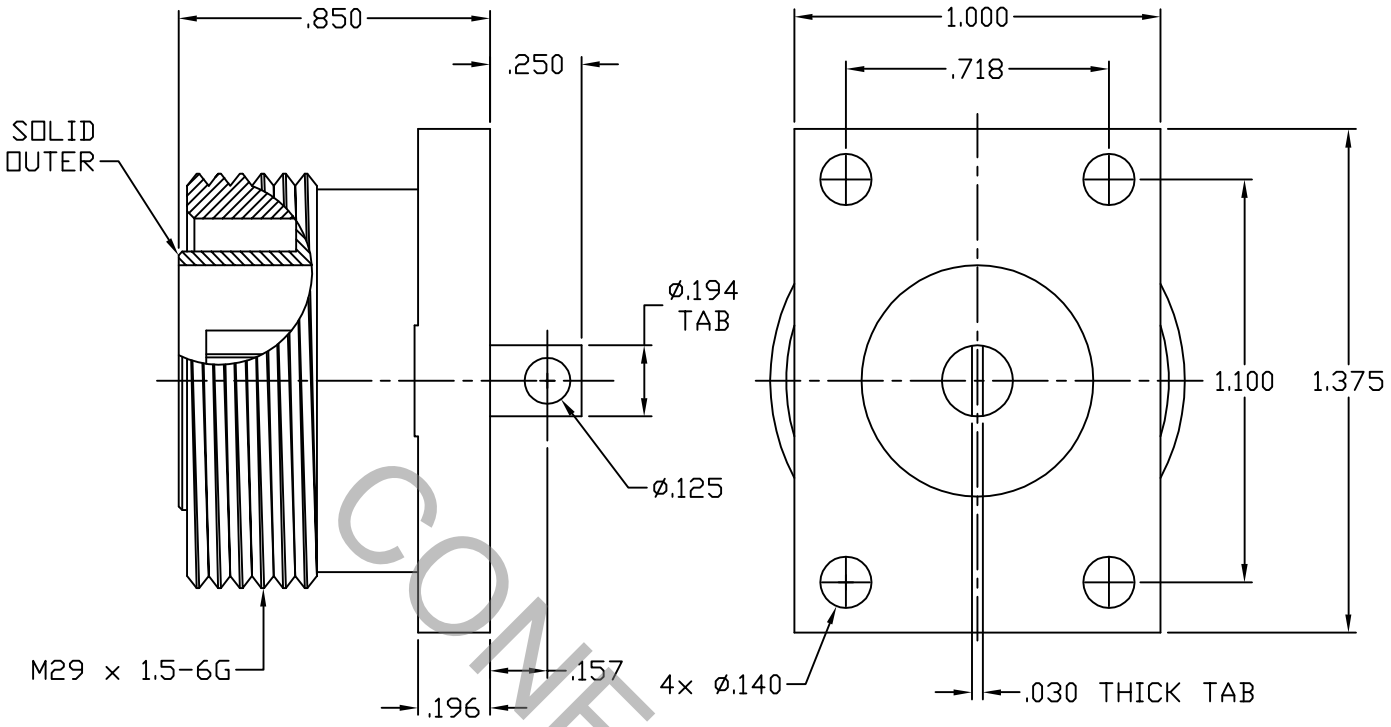
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS Per IEC 169-4 (SOLID OUTER CONTACT).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 7.5 GHz
VSWR (MAX.) ❋	1.09 + .015 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.15 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	1,650
RF LEAKAGE (MIN. dB DOWN)	−100 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	5,000
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	07-2022	10/17/07	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 10/17/07

APPROVED DC DATE 10/17/07

TITLE
7/16 DIN JACK
4 HOLE FLANGE
TAB TERMINAL

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 4954-0051-2710

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MIN. AXIAL FORCE	6.0 LBs.
MIN. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES	
● INSERTION (MAX. OUNCES)	64.0
● WITHDRAWAL (MIN. OUNCES)	4.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.)	N/A
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	
● INTERFACE	60 – 80 IN. LBS.

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4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 165 ° 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.) (1,250 VRMS)

5. MATERIAL

BODY	BRASS PER ASTM–B–16, TEMPER HO2, ALLOY C36000
CENTER CONTACT	BERYLLIUM COPPER PER ASTM–B–196–90, COPPER ALLOY UNS C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D–1710–02, TYPE 2, GRADE A

6. FINISH

BODY	NICKEL PER QQ–N–290, CLASS 1 (.000200 MIN. THK.) OVER COPPER PER MIL–C–14550 **(.000010 MIN. THK.)**
CENTER CONTACT	**GOLD per ASTM–B–488, TYPE I, CODE C, CLASS 1.25,** (.000050 MIN. THK.) OVER NICKEL PER QQ–N–290, CLASS 1 **(.000050 MIN. THK.) OVER COPPER Per MIL–C–14550** **(.000010 MIN. THK.)**
INSULATOR	N/A