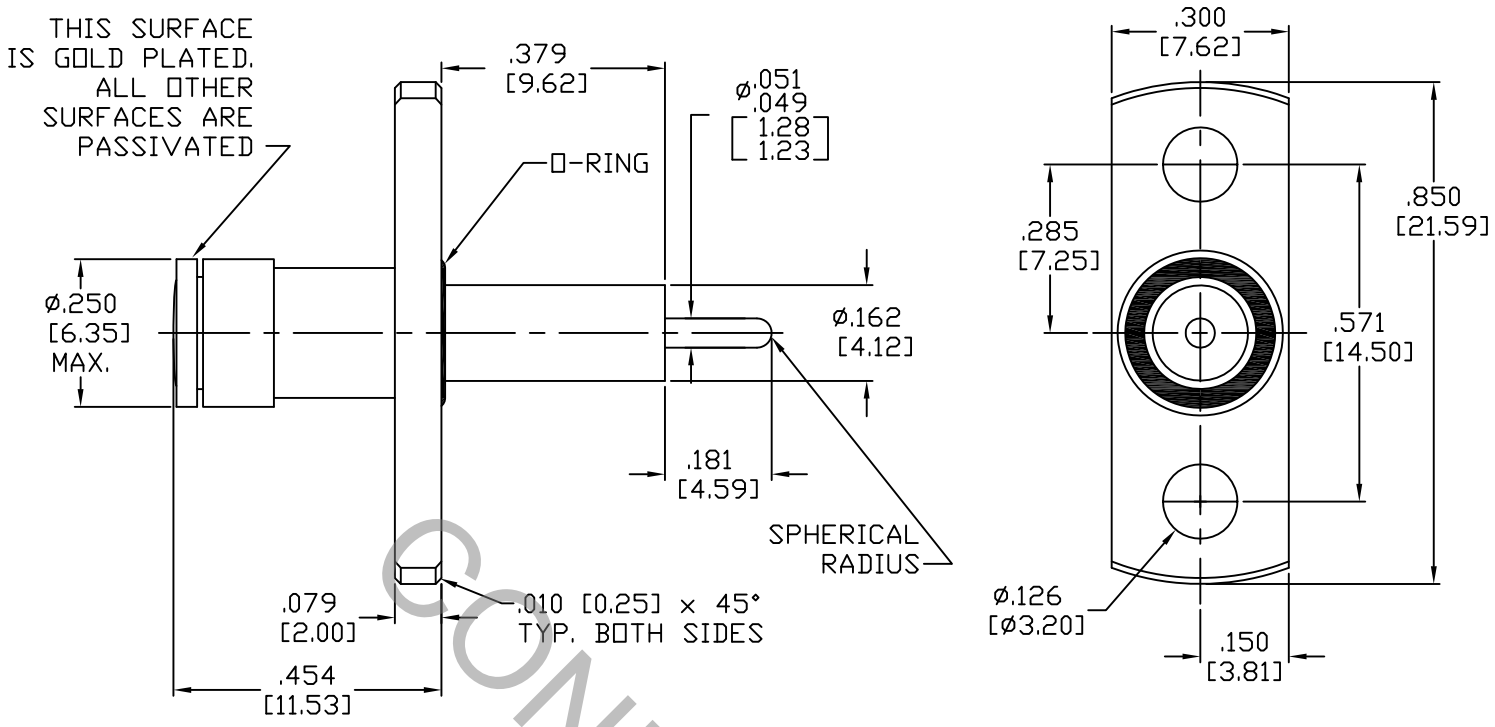
SPECIFICATION CONTROL DRAWING



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1. MATING

INTERFACE DIMENSIONS N/A

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 4.0 GHz
VSWR (MAX.)	1.06:1 MAX. @ 2.0 GHz. 1.10:1 MAX. @ 4.0 GHz.
INSERTION LOSS (dB MAX.)	.05 dB x $\sqrt{F}$GHz
NOMINAL IMPEDANCE (OHMS)	50
POWER RATING (AVG. WATTS)	3.0
RF LEAKAGE (MIN. dB DOWN)	−80 dB − FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65 °c TO + 125 °c
NON OPERATING TEMPERATURE (DEGREES CENTIGRADE)	−65 °c TO + 150 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	N/A
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

RoHS COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.
AA	18−1318	3/19/18	TS

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 TS DATE 3/19/18

APPROVED DC DATE 3/19/18

CODE IDENT. 2J899

SHEET 1 OF 2

TITLE
2 HOLE FLANGE,
50 OHM TERMINATION,
PIN TERMINAL, REAR SEAL

DWG. NO. 5452−0631−6804

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MAX.AXIAL FORCE — 4.5 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.) — N/A

CONNECTOR DURABILITY (MIN. CYCLES) — N/A

RECOMMENDED MATING TORQUE — N/A

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4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 °C TO + 125C°)
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.) (N/AGRMS)

5. MATERIAL

BODY	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACT	BERYLLIUM COPPER PER ASTM B 196/B, 196M–03, COPPER ALLOY No. UNS C 17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM D 1710–02, TYPE 1, GRADE 1, CLASS B.
O–RING	NITRILE (BUNA–N) PER MIL–P–25732

6. FINISH

BODY	PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
TERMINATION	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 0.75 (.000030 Min. Thk.) OVER NICKEL per SAE–AMS–QQ–N–290 CLASS 1 (.000050 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 SAE–AMS–QQ–N–290 CLASS 1 (.000050 Min. Thk.) OVER COPPER per AMS–2418 (.000010 Min. Thk.).
INSULATOR AND O'RING	N/A