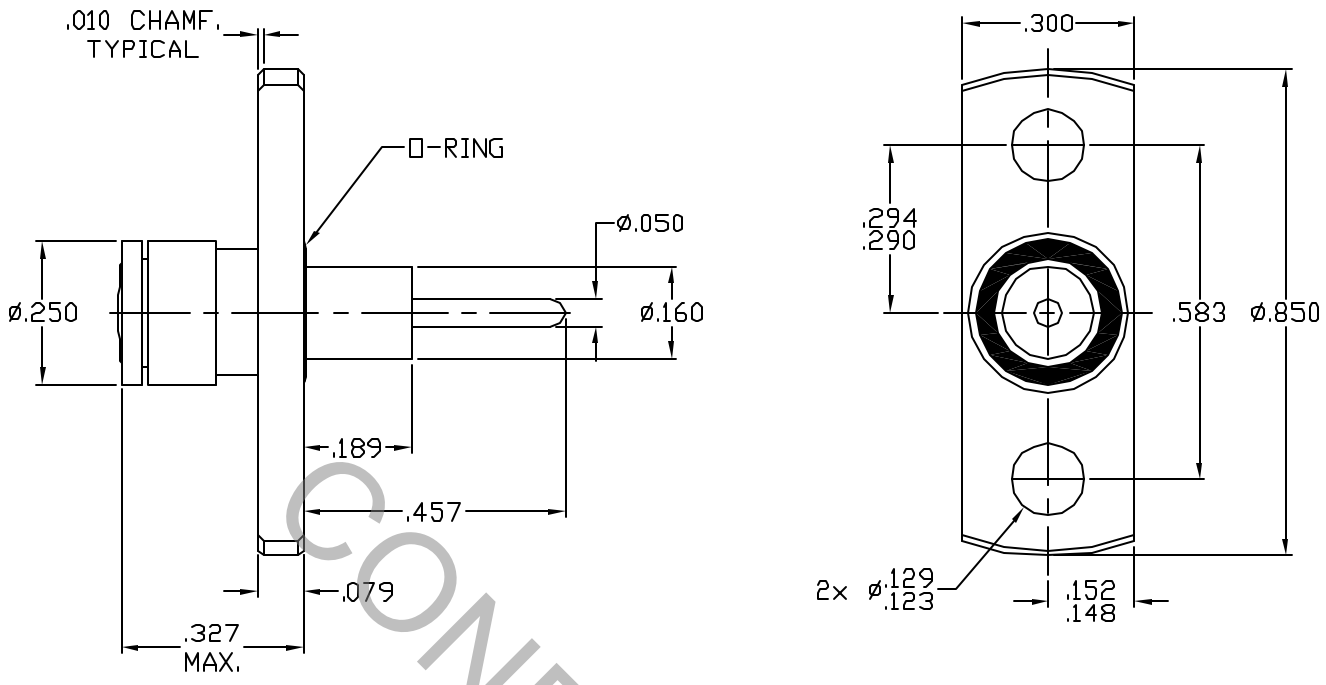
SPECIFICATION CONTROL DRAWING



CONFIDENTIAL

1. MATING INTERFACE DIMENSIONS N/A

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz
VSWR (MAX.)	1.30:1 MAX. @ 18 GHz.
INSERTION LOSS (dB MAX.)	.05 dB x $\sqrt{FGHz}$
NOMINAL IMPEDANCE (OHMS)	50
POWER RATING (MAX. WATTS)	2
RF LEAKAGE (MIN. dB DOWN)	−80 dB @ FGHz
TEMPERATURE RATING (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)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

REV.	DCN NO.	DATE	APP.
AA	05-2046	10/14/05	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 10/14/05

APPROVED DC DATE 10/14/05

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

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 5452-0631-6200

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

CONFIDENTIAL

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65°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.) (N/A VRMS)

5. MATERIAL

BODY	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CONTACT	BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C 17300, TEMPER HT
INSULATOR	TEFLON PER ASTM D 1710
O–RING	NITRILE (BUNA–N) PER MIL–P–25732

6. FINISH

BODY	PASSIVATE PER AMS 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
O–RING	N/A