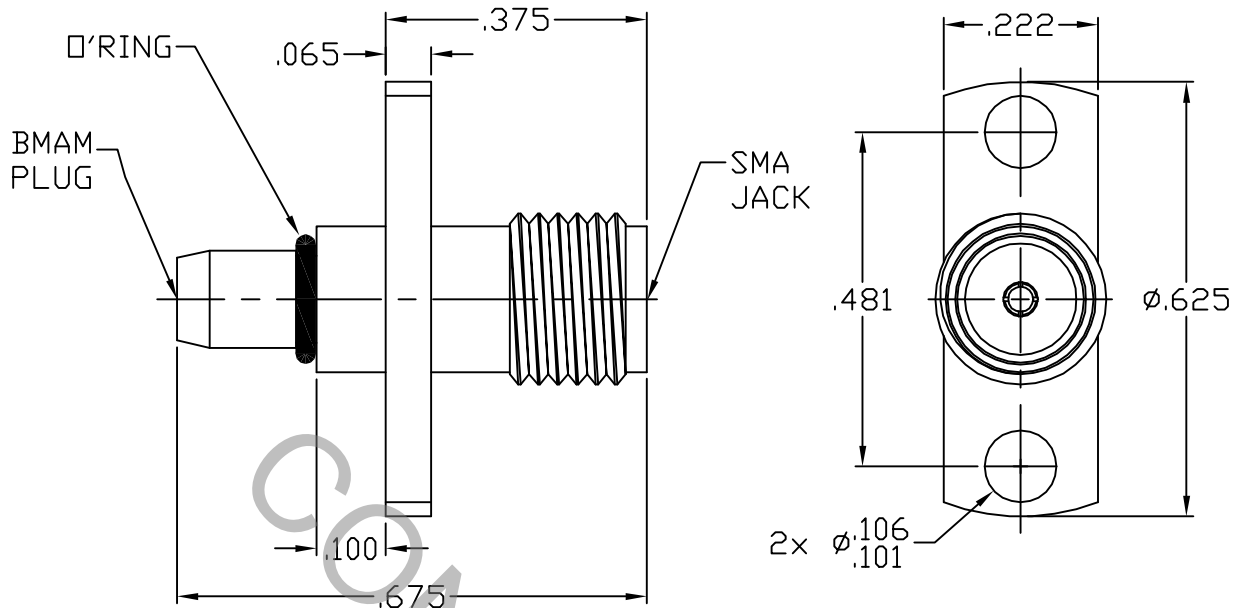


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 310.2 (SMA JACK) AND DYNAWAVE SPECIFICATION MD-26 (BMAM, PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX.) *	_____	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.045 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	85 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	dynawave <small>INCORPORATED</small> HAVERHILL, MA 01835
AA	05-1605	5/19/05	TS	DECIMALS FRACTIONAL ANGULAR .X ± .030 .XX ± .010 ± 1/64 X° ± 1° 0' .XXX ± .005 X° X' ± 15'	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.	
				DRAWN TS DATE 5/19/05	TITLE SMA JACK 2 HOLE FLANGE MOUNT TO BMAM MALE ADAPTER
				APPROVED DC DATE 5/19/05	
				CODE IDENT. 2J899	DWG. NO. 1152-2699-6250 SHEET 1 OF 2

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

SMA ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR DURABILITY (MIN. MATING) _____ 500

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.) (125 VRMS)

5. MATERIAL

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D-1710
O-RING _____ NITRILE (BUNA N)

6. FINISH

BODY _____ PASSIVATE PER AMS QQ-P-35 TYPE 2
CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 2.5
(.00010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.00010 MIN.)
INSULATOR AND O-RING _____ N/A