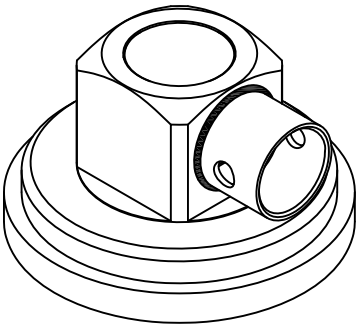
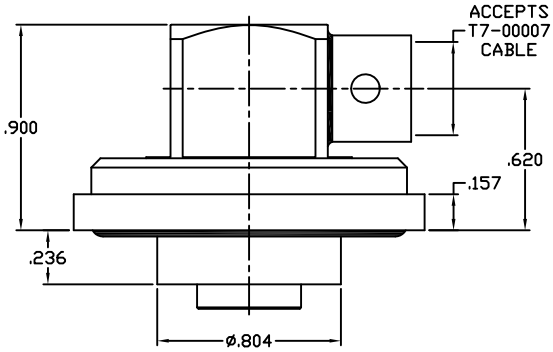
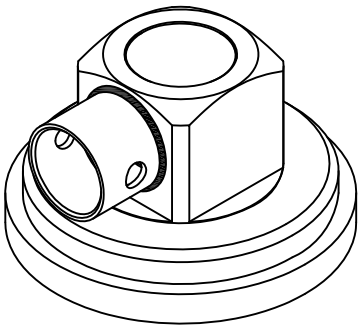
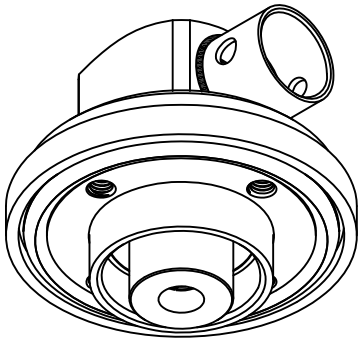
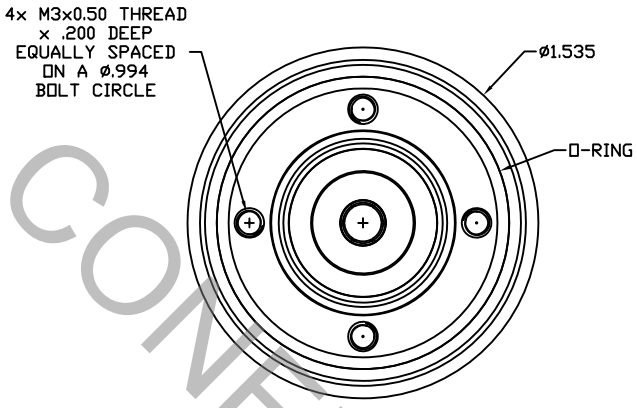
# SPECIFICATION CONTROL DRAWING

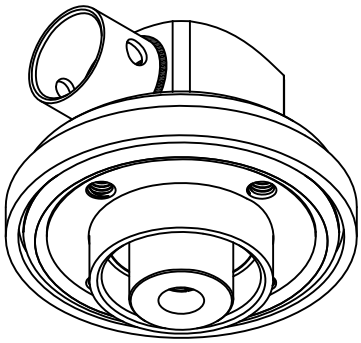








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## 1. MATING N/A

## 2. ELECTRICAL

| | |
|---|---|
| FREQUENCY RANGE GHz | DC TO 6.0 GHz |
| VSWR (MAX.) ❋ | 1.15 + .015 x FGHz |
| INSERTION LOSS (dB MAX.) ❋ | .15 dB x $\sqrt{\text{FGHz}}$ |
| NOMINAL IMPEDANCE (OHMS) | 50 |
| VOLTAGE RATING (MAX. VRMS) | 833 |
| RF LEAKAGE (MIN. dB DOWN) | −85 dB − FGHz |
| TEMPERATURE RATING (DEGREES CENTIGRADE) | −65°c TO + 165°c |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | 2,500 |
| INSULATION RESISTANCE (MIN. MEGOHMS) | 5,000 |
| CONTACT RESISTANCE | |
| • CENTER CONTACT (MAX. MILLIOHMS) | 1.5 |
| • OUTER CONTACT (MAX. MILLIOHMS) | 2.0 |

❋ TERMINATED IN A 50 OHM LOAD

**RoHS**
COMPLIANT

| REV. | DCN NO. | DATE | APP. |
|---|---|---|---|
| AA | 12-2255 | 12/17/12 | DC |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

DIMENSIONS ARE IN INCHES
TOLERANCES

| DECIMALS | FRACTIONAL | ANGULAR |
|---|---|---|
| .X ± .030<br>.XX ± .010<br>.XXX ± .005 | ± 1/64 | X ° ± 1° 0'<br>X ° X' ± 15' |

dynawave CABLE INCORPORATED
HAVERHILL, MA 01835

DRAWN DC DATE 12/12/12

APPROVED DC DATE 12/17/12

TITLE SLIDE ON JACK, RIGHT ANGLE FLANGE MOUNT, DIRECT SOLDER TO T7-00007 LOW LOSS CABLE

CODE IDENT. 6DZL5

SHEET 1 OF 2

DWG. NO. 2371-7007-2100

# 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) — INTERFACE 60.0
- WITHDRAWAL (MIN. OUNCES) — INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) — 5.0

CONNECTOR DURABILITY (MIN. CYCLES) — 500

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## 4. ENVIRONMENTAL

| | |
|---|---|
| TEMPERATURE CYCLING | MIL–STD–202, METHOD 107, 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. ) ( 625 VRMS ) |

## 5. MATERIAL

| | |
|---|---|
| BODIES & CAP | BRASS PER ASTM–B–16, TEMPER H02, ALLOY C36000. |
| INSULATOR | TEFLON PER ASTM–D–1710–02, TYPE 1, GRADE 1, CLASS B. |
| O–RING | SILICONE RUBBER PER ZZ–R–765E, CLASS 1 OR ASM–3304. |
| CONTACT | BERYLLIUM COPPER PER ASTM–B196/B 196M–03, COPPER ALLOY NO. UNS C17300, TEMPER TD04. |

## 6. FINISH

| | |
|---|---|
| BODIES, CONTACT & CAP | TRI–METAL ALLOY, COMPRISED OF;<br>55%–60% COPPER<br>25%–28% TIN<br>14%–18% ZINC |
| INSULATOR & O–RING | N/A |