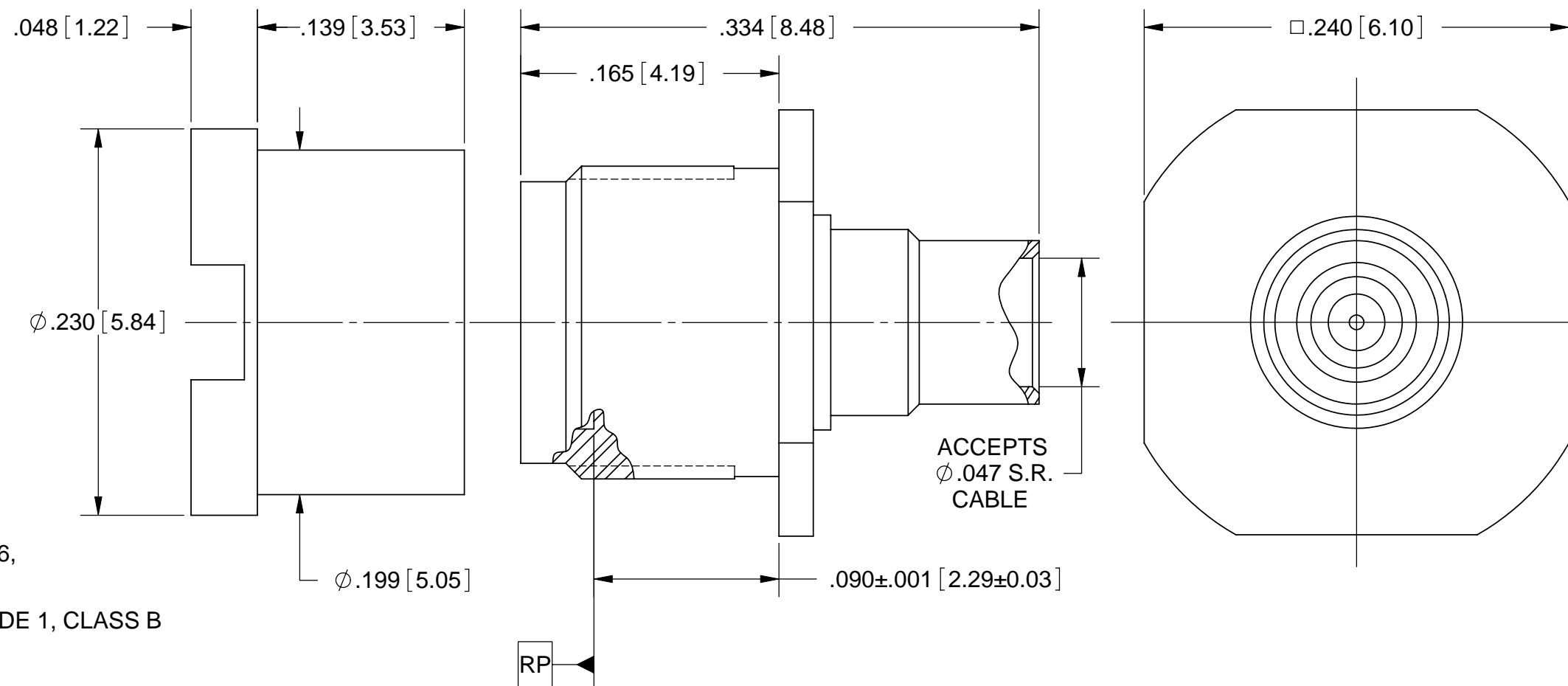


| REVISION HISTORY |             |       |          |
|------------------|-------------|-------|----------|
| REV              | DESCRIPTION | DATE  | APPROVED |
| -                | DCN 35561   | 12/07 | STW      |
|                  |             |       |          |
|                  |             |       |          |

# PRODUCT DATA DRAWING



**MATERIAL:**

**BODIES & FERRULE:** STAINLESS STEEL PER AMS-5640, ALLOY UNS S30300, TYPE 1

**CONTACT:** BERYLLIUM COPPER PER ASTM B196, ALLOY No. UNS C17300, TD04

**INSULATOR:** PTFE PER ASTM D1710, TYPE I, GRADE 1, CLASS B

**DIELECTRIC SPACER:** TORLON 4203

**FINISH:**

**BODIES:** PASSIVATED PER AMS-2700, TYPE 2

**CONTACT & FERRULE:** GOLD PER ASTM B488, TYPE II, CODE C, CLASS 1.27; OVER NICKEL PER AMS-QQ-N-290, CLASS 1, .00005" MIN.

**PERFORMANCE:**

**IMPEDANCE:** 50 OHMS

**FREQ. RANGE:** DC TO 26.5 GHz

**VSWR:** 1.20:1 DC TO 26.5 GHz.

**INSERTION LOSS:** .12 X SQRT(F(F IN GHz))

**DWV:** 500 VRMS

**INSUL.: RES.:** 5000 MEGOHMS

**OPERATING TEMP.:** -55°C TO +165°C

|   |  |  |   |
|---|--|--|---|
| MATERIAL: SEE NOTES   | DIMENSIONS ARE IN INCHES TOLERANCES:<br>FRACTIONAL: ±1/64 ANGULAR: X° ±1'0"<br>X°X' ±15' | UNLESS OTHERWISE SPECIFIED   | <b>SV Microwave, Inc.</b><br>2400 Centrepark West Drive, Suite 100<br>West Palm Beach, FL 33409<br>TITLE:<br><b>SMP MALE BLKHD MT CATCHERS<br/>                 MITT FOR Ø.047 S.R. CABLE</b> |
| FINISH: SEE NOTES   | DECIMAL: .X ±.030<br>.XX ±.010<br>.XXX ±.005   | 1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)<br>2) ALL DIMENSIONS ARE AFTER PLATING.<br>3) BREAK CORNERS & EDGES .005 R. MAX.<br>4) CHAM. 1ST & LAST THREADS.<br>5) SURFACE ROUGHNESS 63-MIL-STD-10.<br>6) DIA.'S ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.<br>7) REMOVE ALL BURRS |   |
| SURFACE AREA: N/A   | INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 1994                               | THIRD ANGLE PROJECTION   | DRAWN: HLP 12/17/07<br>CHECKED: STW 12/17/07<br>APPROVED: STW 12/17/07  |
| PROPRIETARY<br>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SV MICROWAVE, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SV MICROWAVE, INC IS PROHIBITED. |  | DWG. NO. SF1211-6060<br>SCALE: 1:1   | SHEET 1 OF 1  |

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