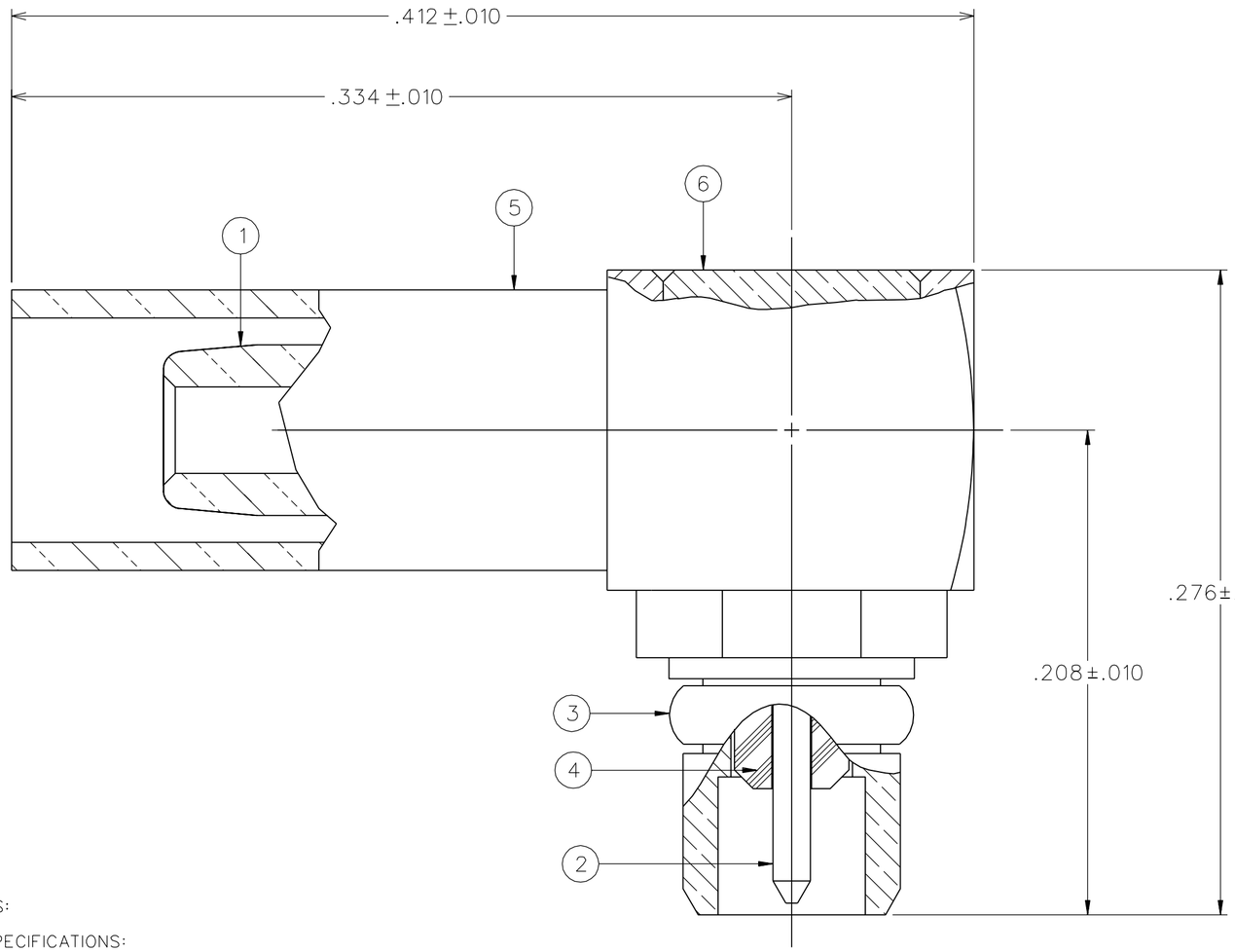
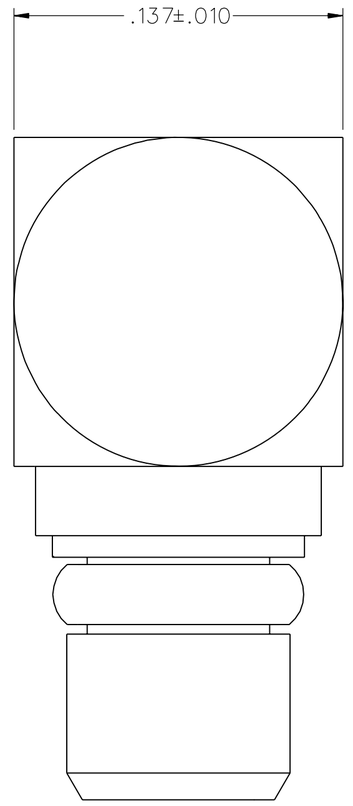
| PART NUMBER | ITEM ① BODY | ITEM ② CONTACT | ITEM ③ INTERFACE SPRING | ITEM ④ INSULATOR | ITEM ⑤ CRIMP SLEEVE | ITEM ⑥ END CAP |
|---|---|---|---|---|---|---|
| 135-3402-111 | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BERYLLIUM COPPER<br>GOLD PL .00003 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | TEFLON | COPPER<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN | BRASS<br>GOLD PL .00001 MIN OVER<br>NICKEL PL .00005 MIN OVER<br>COPPER PL .00005 MIN |

DRAWING NO.
C - 135-3402-111/120

| 0 | REVISIONS | | | | | |
|---|---|---|---|---|---|---|
| ENGINEERING RELEASE | | | | | | |
| 1 | 3-25-02 | KAK | TAK | RJB | | 3-28-02 ECN 48315 |




NOTES:

1. SPECIFICATIONS:

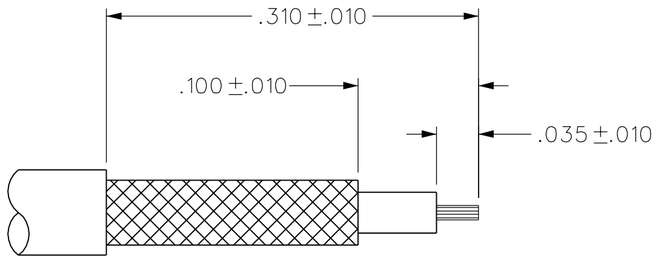
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-6 GHz
VSWR: 1.25 MAX
WORKING VOLTAGE: 170 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 1000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 15.0 MILLIOHM MAX
OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX
BODY TO BRAID - GOLD PLATED INITIAL 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 190 VOLTS MINIMUM AT 70,000 FEET
INSERTION LOSS: 0.2 DB MAX AT 1 GHZ
RF LEAKAGE: -60 DB AT 2.5 GHZ
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 400 VRMS AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE FORCE: 8.0 LBS MAX ENGAGEMENT
1.4 LBS MIN DISENGAGEMENT
CONTACT RETENTION FORCE: 2.0 LBS MIN AXIAL FORCE
CONTACT RETENTION TORQUE: NOT APPLICABLE
COUPLING MECHANISM RETENTION: NOT APPLICABLE
CABLE ACCEPTABILITY: RG 178/U, RG 196/U
CABLE HEX CRIMP SIZE: .105
CABLE RETENTION: 10 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION C EXCEPT -55 DEG C TO 155 DEG C
OPERATING TEMPERATURE: -55 DEG C TO 155 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION B
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE: MIL-STD-202, METHOD 106




CABLE STRIP DIMENSIONS
10:1

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY | DATE | JOHNSON Components™ 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832 | |
|---|---|---|---|---|---|
| DECIMALS | mm | KAS | 12-20-01 | | |
| .XX ——— | ——— | CHECKED BY | DATE | TITLE | |
| .XXX+-.003 | ——— | | | PLUG ASSEMBLY<br>RIGHT ANGLE, RG 178<br>MMCX | |
| MATL ——— | | APPROVED BY TAK | DATE 3/27/02 | | |
| | | APPROVED BY RJB | DATE 3/27/02 | CODE NO. | DRAWING NO. C - 135-3402-111/120 |
| FINISH ——— | | RELEASE DATE 3/28/02 | | SCALE 20:1 | U/M INCH SHEET 2 OF 2 |