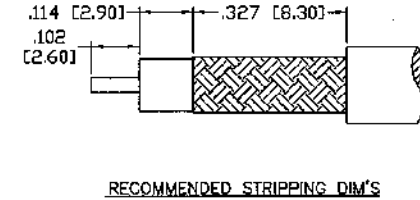
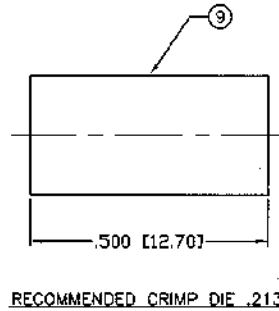
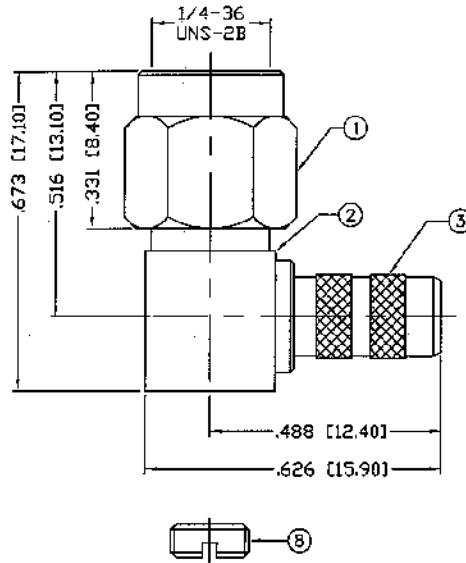


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ALL DIMENSIONS ARE REFERENCE ONLY

| PART NO. | | RSA-3010-C | | |
|----------|---|------------|---------|----------|
| REV | DESCRIPTION | DWN | DATE | APPROVED |
| A | ENGINEERING RELEASE | KMM | 4/18/95 | R. RICE |
| B | ADD FERRULE & FERRULE STUD ID DIMS | KMM | 8/25/93 | R. RICE |
| C | CHANGE DRAWING # & FORMAT / UPDATE ELECTRICAL SPECS | CZS | 7/20/01 | JDMc |



SPECIFICATIONS:

IMPEDANCE: 50 Ohms
 FREQUENCY RANGE: 0-12.4 GHz
 INSERTION LOSS(dB): $0.04 \times \sqrt{f(\text{GHz})}$
 VSWR: $1.15 + .03 \times \sqrt{f(\text{GHz})}$
 WORKING VOLTAGE: 500 V rms Max. @ Sea Level
 INSULATION RESISTANCE: 5k M Ohms min.
 TEMPERATURE RANGE: -65°C TO 165°C
 FOR RG-58, 58A, 58C, 141, 141A, BELDEN 8240, 8259, 8262, 9201, 9203, 9310, 9311 & COMM/SCOPE 0268

NOTE: ATTACH CABLE TO CONNECTOR BY SOLDERING THE CABLE INNER CONDUCTOR TO THE PIN SLOT INSIDE THE CONNECTOR

| 1 | SHELL | 1 | BRASS | NICKEL, 100μ" | 008974 | |
|----|----------------|-----|----------|---------------|-----------------------------------|------|
| 2 | BODY | 1 | BRASS | NICKEL, 100μ" | | |
| 3 | FERRULE STUD | 1 | BRASS | NICKEL, 100μ" | | |
| 4 | INSULATOR | 1 | PTFE | --- | | |
| 5 | PIN | 1 | BRASS | GOLD, 50μ" | | |
| 6 | RETAINING RING | 1 | Be. Cu. | --- | | |
| 7 | GASKET | 1 | SILICONE | --- | | |
| 8 | SCREW CAP | 1 | BRASS | NICKEL, 100μ" | | |
| 9 | FERRULE | 1 | BRASS | NICKEL, 100μ" | | |
| 10 | | | | | DRAWN C. ZUNIGA 7/20/01 | |
| 11 | | | | | CHECKED DWN 7-20-01 | |
| 12 | | | | | | |
| 13 | | | | | ORJ DRAWN C. ZUNIGA 7/19/01 | |
| 14 | | | | | | |
| # | DESCRIPTION | QTY | MATERIAL | FINISH | APPROVALS | DATE |

UNLESS OTHERWISE SPECIFIED:

- REMOVE ALL BURRS
- BREAK ALL CORNERS & EDGES .005 R. MAX.
- CHAMFER 1ST & LAST THREADS 45°
- SURFACE ROUGHNESS 63 FINISH MIL-STD-10
- DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN .002 T.I.R.
- ALL DIMENSIONS ARE AFTER PLATING.

DIMENSIONS ARE IN INCHES AND [MILLIMETERS]
 UNLESS OTHERWISE NOTED TOLERANCES ARE:

| DECIMALS | DIAMETER |
|-----------------|-----------------|
| .XXX±.003 [.08] | .XXX±.001 [.03] |
| .XX±.005 [.13] | .XX±.003 [.08] |

RF connectors
 DIVISION OF RF INDUSTRIES, LTD.

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 (858) 549-6345 FAX

SMA PLUG

CRIMP, RIGHT ANGLE

| SIZE | CABLE GROUP | DWG NO. | REV |
|------------|-------------|------------------|--------------|
| A | C | RSA-3010-C | C |
| SCALE: NTS | | CAD FILE OUTLINE | SHEET 1 OF 1 |