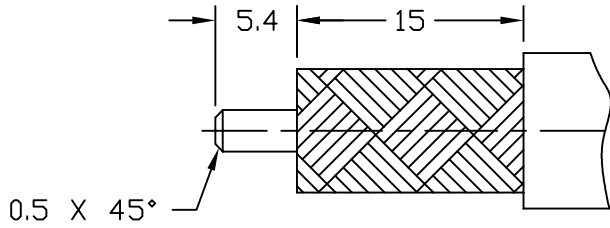
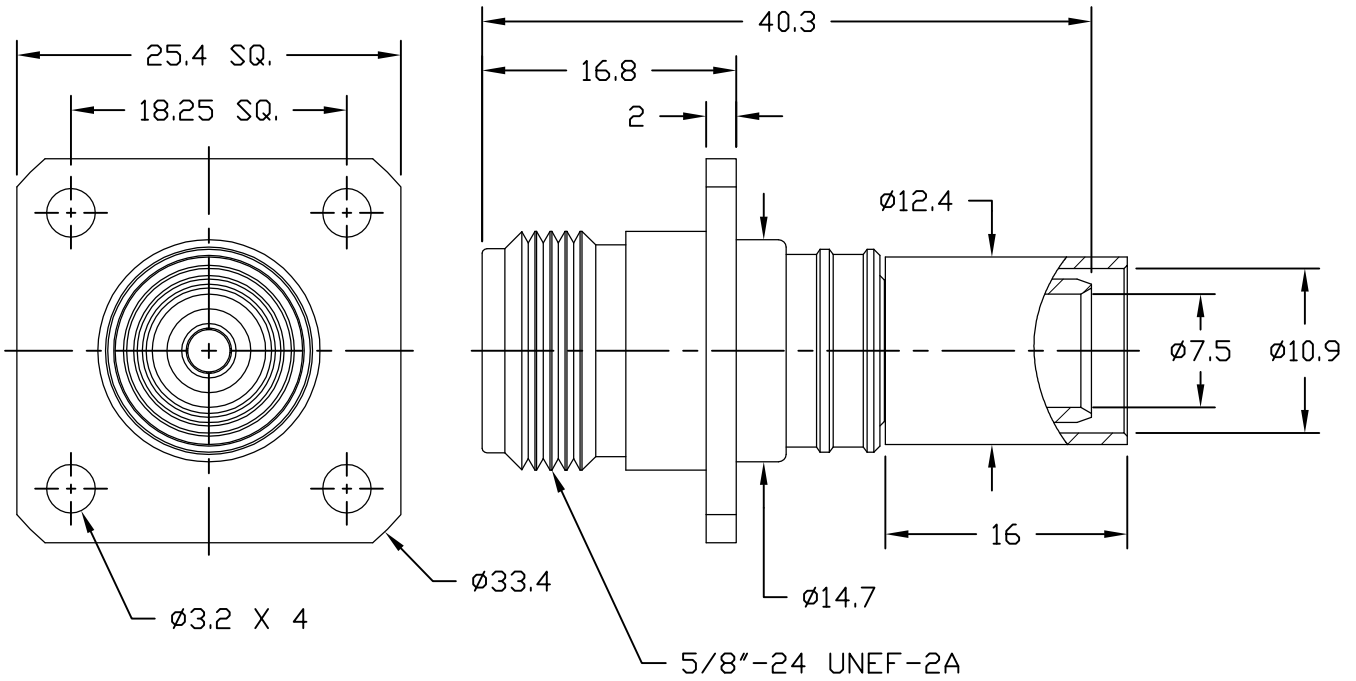


NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

| SYM | REVISION DESCRIPTION | DFTM | DATE | APPD | DATE |
|-----|-------------------------|----------|----------|----------|----------|
| A | RELEASED FOR PRODUCTION | D. J. H. | 10/17/12 | J. D. B. | 10/30/12 |



CABLE PREP.
USE CST-400
(3192-004)
.429" HEX.



Reference Standard IEC60169-16

I. Electric Performance

| | |
|------------------------------------|--|
| Nominal Impedance(Ω): | 50 |
| Frequency Range: | DC-6GHz |
| VSWR: | ≤ 1.25 |
| Insert Loss(dB): | $\leq 0.1(0-3G)$ |
| Insulation resistance(M Ω) | ≥ 5000 |
| Conductor resistance(m Ω) | outer conductor <0.4 inner conductor <0.8 |

II. Mechanical Performance

| | |
|------------------------------|--------------|
| Retention | $\geq 0.56N$ |
| Mechanical Wear(hypo-) | 500 |
| Tensile force(cable-connect) | 400N |
| Torsion(cable-connect) | 2N.m |

III. Material and plating

| Component | Material | Plating |
|-----------------|---------------|--|
| Inner conductor | Spring Bronze | Au 0.1 μ m over chemistry Nickel 3 μ m |
| Outer conductor | Brass | Copper-tin-zinc 2 μ m |
| Tube | Copper | Copper-tin-zinc 2 μ m |
| Insulator | PTFE | |

IV. Environment

| | |
|------------------|----------------------------------|
| Temp. range | -40 $^{\circ}C$ ~+85 $^{\circ}C$ |
| Weather standard | IEC 60068 40 / 085/ 21 |
| Thermal shock | US MIL-STD 202, Meth.107, Cond.B |
| Vibration | US MIL-STD 202, Meth.204, Cond.B |
| Shock | US MIL-STD 202, Meth.213, Cond.I |
| ROHS Compliant | |

V. Assembly: inner conductor soldered and outer conductor crimped

| | | | |
|----------------------|--|----------------|---|
| MATERIAL: | UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS N/A MAX. BREAK MACHINE CORNERS N/A MAX. FILLET R. TOLERANCES ON DECIMALS .XX \pm N/A .XXX \pm N/A ANGLES $\pm 1^{\circ}$ FRACTIONS \pm N/A | DFTM. D. J. H. | TIMES MICROWAVE SYSTEMS |
| | | DATE 10/17/12 | |
| USED ON: 0-0 | | CHKD. J. D. B. | TC-400-NF-PM-X N FEMALE FOR LMR-400 CABLE SOLDER/CRIMP/NO BRAID TRIM/PANEL MOUNT |
| | | DATE 10/30/12 | |
| SCALE: N/A | DWG. SIZE A | APPD. J. D. B. | SHEET 1 of 1 SD3190-2805 REV A |
| | | DATE 10/30/12 | |
| DO NOT SCALE DRAWING | CODE IDENT 68999 | | |