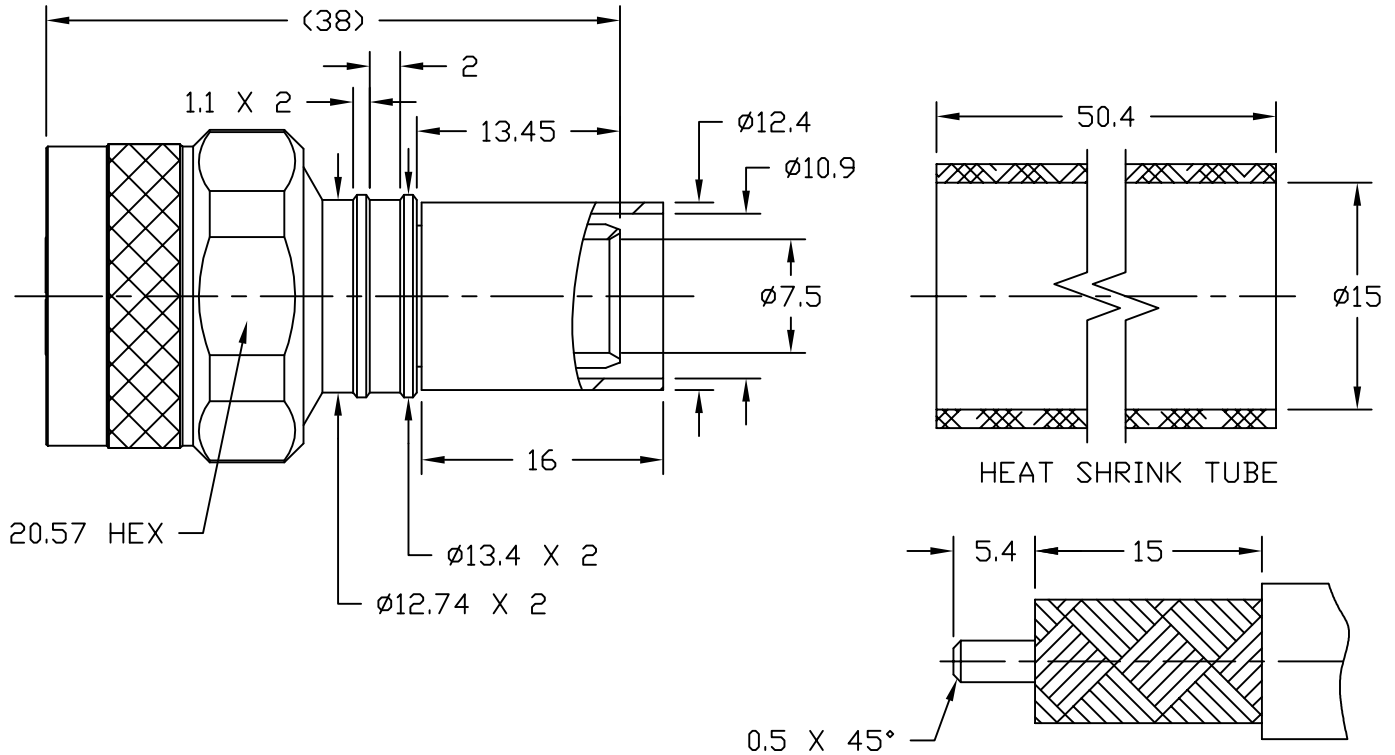


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| SYM | REVISION DESCRIPTION    | DFTM     | DATE    | APPD     | DATE    |
|-----|-------------------------|----------|---------|----------|---------|
| A   | RELEASED FOR PRODUCTION | D. J. H. | 3/15/11 | J. D. B. | 8/16/11 |



Reference standard IEC60169-16

I. Electric Performance

Impedance( $\Omega$ ): 50

Frequency Range: DC-6GHz

VSWR:  $\leq 1.25$

Insert Loss: (dB)  $\leq 0.1$

Insulation resistance (M $\Omega$ )  $> 5000$

Work voltage (V) 1500

Conductor resistance (m $\Omega$ ) outer conductor  $< 0.2$   
inner conductor  $< 0.8$

II. Mechanical Performance

Nut torque 25N.m

(Nut) Whorl pull 1000N

Tensile force (cable-connect) 400N

Torsion (cable-connect) 2N.m

III. Material and plating:

| Component       | Material        |
|-----------------|-----------------|
| inner conductor | Brass           |
| outer conductor | Brass           |
| tube            | Copper          |
| nut             | Brass           |
| gasket          | Silicone rubber |
| insulator       | PTFE            |

IV. Environment

Temp. range -55°C~+155°C

Weather standard IEC 60068 55 / 155/ 56

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

Waterproofing standard IP67

Plating

Au50 micro inches over nickel 100 over copper

copper tin-zinc 100-150 micro inches

copper tin-zinc 100-150 micro inches

copper tin-zinc 100-150 micro inches

V. Assembly: inner conductor soldered and outer conductor crimped.

|                      |                                                                                                                                                                                                                                                    |                |                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------|
| MATL:                | UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                                                         | DFTM. D. J. H. | TIMES MICROWAVE SYSTEMS                                                  |
|                      |                                                                                                                                                                                                                                                    | DATE 3/15/11   |                                                                          |
| USED ON: 0           | ALL DIMENSIONS ARE IN mm<br>MACHINED SURFACES FINISH N/A RMS MAX.<br>REMOVE ALL BURRS N/A MAX. BREAK<br>MACHINE CORNERS N/A MAX. FILLET R.<br>TOLERANCES ON DECIMALS<br>. XX $\pm$ N/A . XXX $\pm$ N/A<br>ANGLES $\pm 1^\circ$ FRACTIONS $\pm$ N/A | CHKD. J. D. B. | TC-400-NMH-X<br>"N" MALE FOR LMR-400 CABLE<br>SOLDER/CRIMP/NO BRAID TRIM |
|                      |                                                                                                                                                                                                                                                    | DATE 8/16/11   |                                                                          |
| SCALE: N/A           | DWG. SIZE A                                                                                                                                                                                                                                        | APPD. J. D. B. | SHEET 1 of 1 SD3190-2626 REV A                                           |
| DO NOT SCALE DRAWING | CODE IDENT 68999                                                                                                                                                                                                                                   | DATE 8/16/11   |                                                                          |