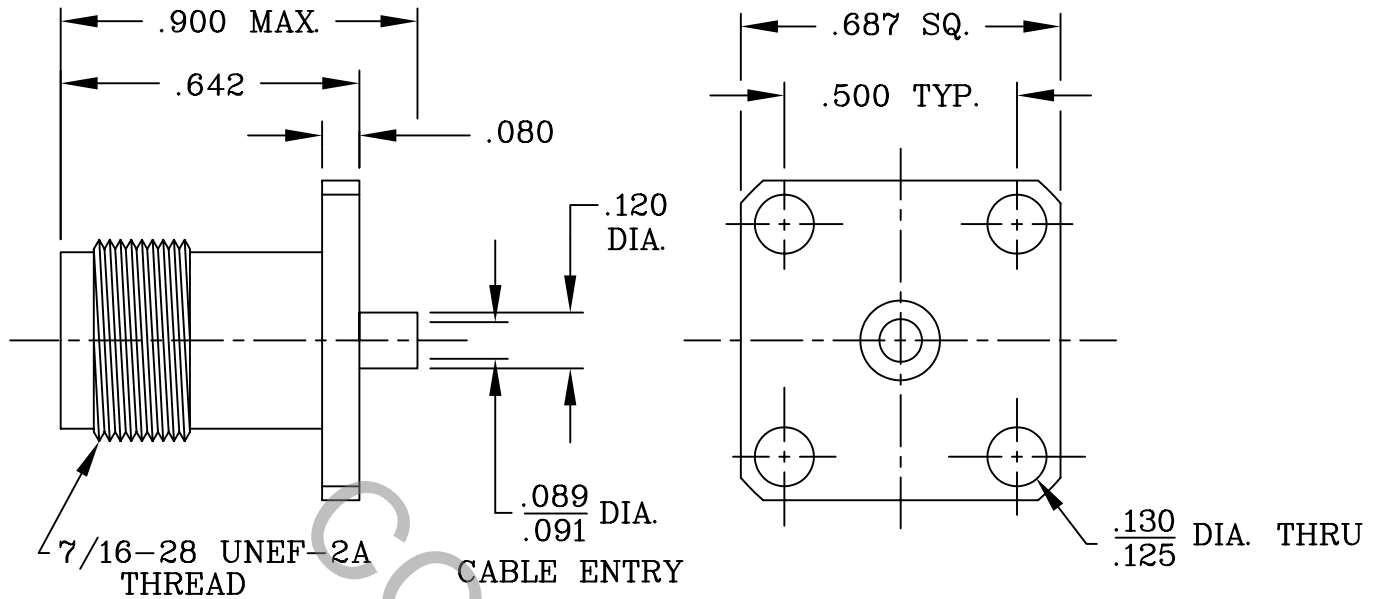


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-C-39012/TNC SERIES AND DYNAWAVE MD-85 (KTNC, 18GHz).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 18.0 GHz.
VSWR (MAX.) *	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX.)	.04 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO +165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 HAVERHILL, MA. 01835											
AA	06-1864	7/17/06	TS	<table border="0" style="font-size: small;"> <tr> <td>DECIMALS</td> <td>FRACTIONAL</td> <td>ANGULAR</td> </tr> <tr> <td>.X ± .030</td> <td></td> <td>X° ± 15'</td> </tr> <tr> <td>.XX ± .010</td> <td>± 1/64</td> <td>X° X' ± 15'</td> </tr> <tr> <td>.XXX ± .005</td> <td></td> <td></td> </tr> </table>		DECIMALS	FRACTIONAL	ANGULAR	.X ± .030		X° ± 15'	.XX ± .010	± 1/64	X° X' ± 15'	.XXX ± .005	
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AB	06-1931	8/1/06	TS	SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.												
				<table border="0" style="font-size: small;"> <tr> <td>DRAWN</td> <td>DRAWN DATE</td> <td>DATE</td> </tr> <tr> <td>APPROVED</td> <td>APPROVED DATE</td> <td>DATE</td> </tr> </table>	DRAWN	DRAWN DATE	DATE	APPROVED	APPROVED DATE	DATE	TITLE KTNC JACK, 4 HOLE FLANGE DIRECT SOLDER .085 S.R. CABLE					
DRAWN	DRAWN DATE	DATE														
APPROVED	APPROVED DATE	DATE														
				<table border="0" style="font-size: small;"> <tr> <td>CODE IDENT.</td> <td>SHEET 1 OF 2</td> <td>DWG. NO.</td> </tr> <tr> <td style="text-align: center;">2J899</td> <td></td> <td style="text-align: center;">8554-8521-2700</td> </tr> </table>	CODE IDENT.	SHEET 1 OF 2	DWG. NO.	2J899		8554-8521-2700						
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2J899		8554-8521-2700														

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX OUNCES) _____ INTERFACE 24.0; REAR 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE; 2.0; REAR 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX IN. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 30 - 35 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65°c TO +200°c)

SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)

VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)

MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b

CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)

BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

BODY _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, COND. H.T., ALLOY 173

INSULATOR _____ TEFLON PER ASTM D 1710.

6. FINISH

BODY _____ NICKEL PER QQ-N-290, CLASS 1 (.0002 MIN. THK.)
OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.).

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.5
(.00010 MIN. THK.) OVER NICKEL PER QQ-N-290,
(.000010 MIN. THK.) OVER COPPER PER MIL-C-14550.

INSULATOR _____ N/A