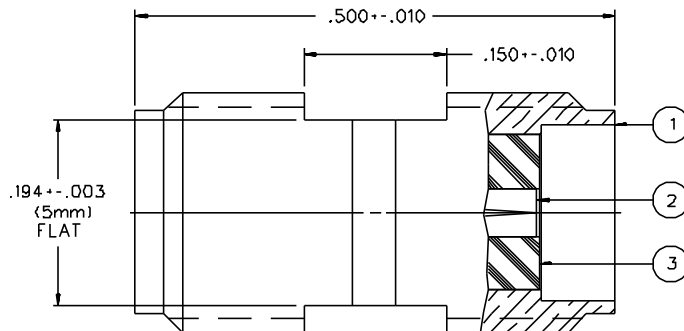


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR
142-0901-801	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-0901-806	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-18 GHZ
 VSWR: 1.05+.005 (F) MAX. (F IN GHZ)
 WORKING VOLTAGE: 500 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS MIN AT SEA LEVEL
 INSULATION RESISTANCE: 5000 MEGOHM MIN
 CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 BRAID TO BODY - NOT APPLICABLE
 CORONA LEVEL: 375 VOLTS MIN AT 70,000 FEET
 INSERTION LOSS: $\sqrt{06}$F AT 6 GHZ (F IN GHZ)
 RF LEAKAGE: -90 dB MIN AT 2.5 GHZ
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1000 VRMS MIN AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
 MATING TORQUE: 7-10 INCH-POUNDS
 COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN
 COUPLING NUT RETENTION: NOT APPLICABLE
 CONTACT RETENTION: 4 LBS MIN AXIAL FORCE
 CABLE ACCEPTABILITY: NOT APPLICABLE
 CABLE HEX CRIMP SIZE: NOT APPLICABLE
 CABLE RETENTION: NOT APPLICABLE
 DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-A-55339)
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
 OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
 CORROSION: MIL-STD-202, METHOD 101, CONDITION B
 SHOCK: MIL-STD-202, METHOD 213, CONDITION I
 VIBRATION: ML-STD-202, METHOD 204, CONDITION D
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

DRAWING NO. C - 142-0901-801/810	
0	REVISIONS
ENGINEERING RELEASE	
1	11-14-89 [Signature] 11-22-89 ECO 24073
CHANGED: .194 ± .003 WAS .215 ± .010. .500 ± .010 WAS ± .005, .150 ± .010 WAS .125 ± .010, VSWR WAS 1.05 ± .01	
2	2-22-91 [Signature] 3-4-92 ECO 24688
RF LEAK -90 WAS -60 @ 2.5GHz WAS @ 7-3 GHz, RF HIGH POT 4 AND 7 MHz WAS 5 TO 7.5 MHz, MIL-A-55339 WAS MIL-C-39012, THERMAL SHOCK CONDITION B WAS C	
3	1-11-92 [Signature] ECO 40755
UPDATED COMPANY LOGOS	
***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATED DRAWING SHIFT * * CATION OR PART NUMBER ADDITION ONLY. * *****	
3a	5/8/02 [Signature] 5-21-02 ECN 48405

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSIZ 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY EJ	DATE 6-27-89	299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	
DECIMALS .XX	CHECKED BY	DATE	TITLE ADAPTER ASSEMBLY, JACK TO JACK SMA	
.XXX	APPROVED BY TAK	DATE 11-20-89	CODE NO.	DRAWING NO. C - 142-0901-801/810
MATL	APPROVED BY RJB	DATE 11-20-89	SCALE 10:1	U/W INCH SHEET 2 OF 2
FINISH	RELEASE DATE 11-22-89			