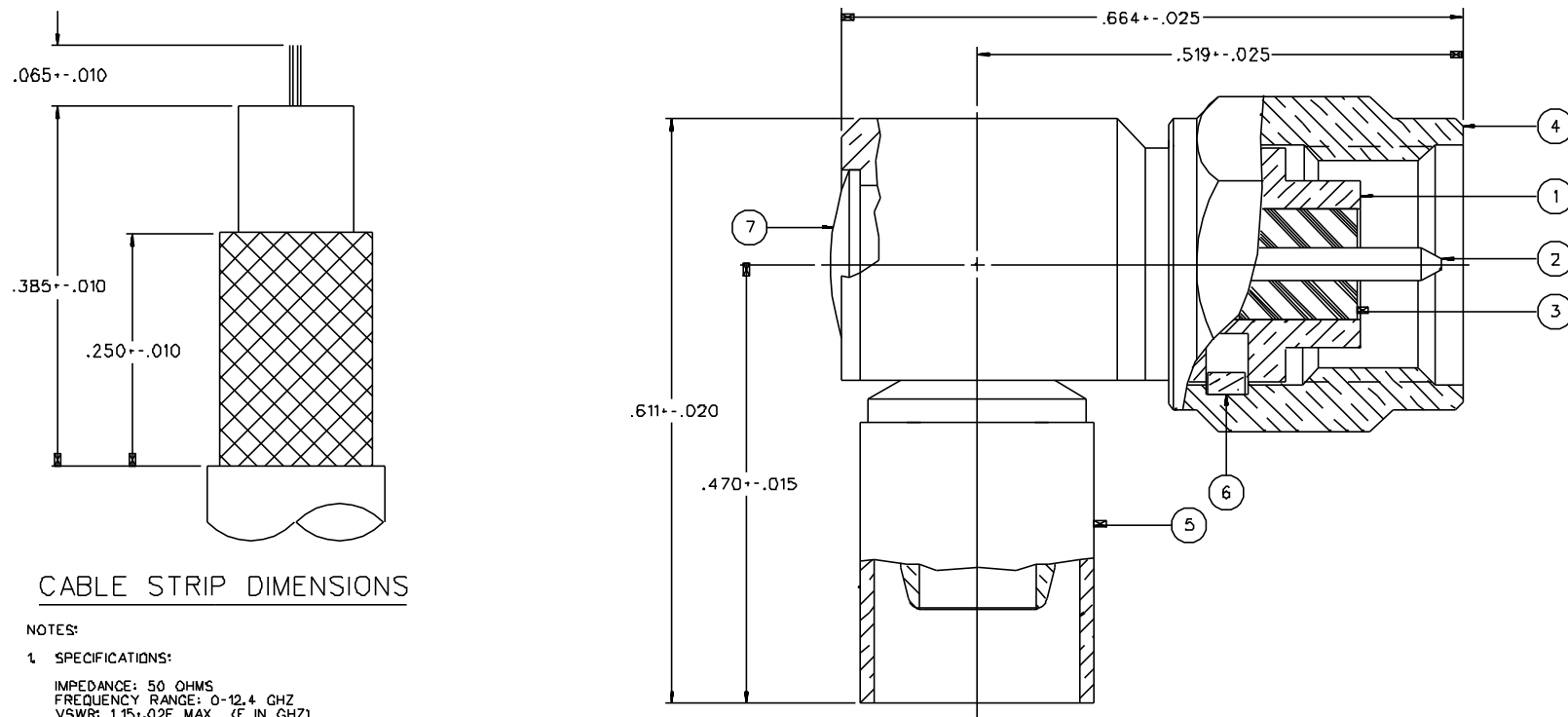


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ HEX NUT	ITEM ⑤ CRIMP SLEEVE	ITEM ⑥ RETENTION SPRING	ITEM ⑦ END CAP	ITEM ⑧ HEAT SHRINK
142-D408-101	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	
142-D408-102	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	POLYOLEFIN COLOR: BLACK
142-D408-106	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	



CABLE STRIP DIMENSIONS

NOTES:

1 SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-12.4 GHZ
 VSWR: 1.15+-.02F MAX (F IN GHZ)
 WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
 DIELECTRIC WITHSTANDING VOLTAGE: 1000 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
 BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED), 5.0 MILLIOHMS MAX (NICKEL PLATED)
 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
 INSERTION LOSS: .15 V/F (F IN GHZ) AT 6 GHZ
 RF LEAKAGE: -60 DB MIN AT 2.5 GHZ
 RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 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: 60 LBS MIN
 CONTACT RETENTION: 6 LBS MIN
 CABLE ACCEPTABILITY: RG 55/U, RG 142/U, RG 223/U, RG 400/U
 CABLE HEX CRIMP SIZE: .213
 CABLE RETENTION: 45 LBS MIN AXIAL FORCE
 DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT B5* C HIGH TEMP
 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: MIL-STD-202, METHOD 204, CONDITION D
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

DRAWING NO. C - 142-0408-101/110	
0	REVISIONS
ENGINEERING RELEASE	
1	6-15-90 [E] [J] [R] [A] [B] [S] 7-3-90 ECO 24704
ADDED: TO BODY TO CABLE SPEC "GOLD PLATED", 5.0 MILLIOHMS MAX "NICKEL PLATED", TO INSERTION LOSS SPEC "AT 6 GHZ TO RF ... VOLTAGE SPEC "TO 7.5"	
2	11-11-90 [R] [H] [J] [A] [B] [S] 11-20-90 ECO 24984
CHANGED: DRAWING WAS "D" SIZE RF LEAK 2.5 CHZ WAS 2 TO 3 CHZ RF HIGH POT 4 AND 7 MHZ WAS 5 TO 7.5 MHZ	
3	4-13-92 [R] [H] [J] [A] [B] [S] 4-20-92 ECO 40916
CHANGED: UPDATED GRAPHICS	
4	12-6-93 [R] [H] [J] [A] [B] [S] 12-22-93 ECO 42068
ADDED: P/N 142-0408-102 ITEM 8 HEAT SHRINK	
***** REVISION NUMBER FOLLOWED BY AN ALPHA ***** ***** CHARACTER INDICATES DRAWING CHANGE ***** ***** CATION OR PART NUMBER ADDITION ONLY *****	
4d	2-10-94 [R] [H] [J] [A] [B] [S] ECO 42295

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY EJ	DATE 7-31-87	Johnson Components 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	
DECIMALS	mm	CHECKED BY	DATE	TITLE PLUG ASSEMBLY, RA CABLED SMA, RG 142	
.XX		APPROVED BY OMI	DATE 6-15-90	CODE NO.	DRAWING NO.
.XXX		APPROVED BY RJB	DATE 6-19-90	C - 142-0408-101/110	
MATL		RELEASE DATE	7-3-90	SCALE 10:1	U/N INCH SHEET 2 OF 2
FINISH					