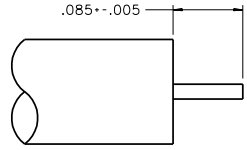
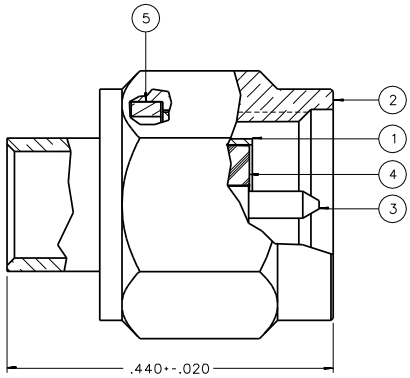
PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING
142-0694-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED
142-0694-002	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED
142-0694-004	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	TEFLON	BERYLLIUM COPPER UNPLATED
142-0694-006	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	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	BERYLLIUM COPPER UNPLATED



CABLE STRIP DIMENSIONS



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHZ
VSWR: 1.05+.008F 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 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 0.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX
CORONA LEVEL: 375 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .03√F (F IN GHZ) AT 10 GHZ
RF LEAKAGE: -90 DB MIN AT 2 TO 3 GHZ
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1000 VRMS AT 5 TO 7.5 MHZ

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 3-5 INCH POUNDS
COUPLING PROOF TORQUE: 8 INCH-POUNDS MIN
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: NOT APPLICABLE
CABLE ACCEPTABILITY: RG 402 DIA .141 SEMIRIGID
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: 60 LBS MIN AXIAL FORCE
55 INCH-OUNCE MIN TORQUE
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 115° 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 - 142-0694-001/010

0	REVISIONS		
	ENGINEERING RELEASE		
01	11-22-88	EJ TAK RJB AAW	12-01-88 ECO 23719
	VERSION UPDATE		
02	10-17-89	EJ TAK RJB AAW	10-19-89 ECO 24161
	ADDED: MOISTURE RESISTANCE. 115°C HIGH TEMP TO THERMAL SHOCK SPEC.		
03	06-06-90	EJ TAK RJB AAW	7-2-90 ECO 24437
	CHANGED: 10GHZ WAS 9 TO 12 GHZ. .085+-.005 WAS .085+-.015. DELETED: .331+-.010		
04	11-17-90	RHB RJB AAW	11-29-90 ECO 24974
	VERSION UPDATE		
5	9-1-91	RHB RJB HEM	9-5-91 ECO 40498
	VERSION UPDATE		
5a	1-14-00	RHB TAK RJB JF	3-22-00 ECN 46900
	ADDED: P/N 142-0694-002		
5b	4-14-00	RHB RJB	ECN 47083
	ADDED: P/N 142-0694-004		
	* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. *		
5c	8-14-02	RJB	8-29-02 ECN 48516

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY EJ	DATE 2-16-87	JOHNSON Components™ 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832
DECIMALS .XX ——— mm ——— .XXX ——— ———	CHECKED BY	DATE	TITLE PLUG ASSEMBLY, STRAIGHT CABLED SMA, RG 402
MATL ———	APPROVED BY TAK	DATE 11-22-88	
FINISH ———	APPROVED BY RJB	DATE 11-28-88	CODE NO. DRAWING NO. C - 142-0694-001/010
	RELEASE DATE	12-1-88	SCALE 10:1 U/M INCH SHEET 2 OF 2