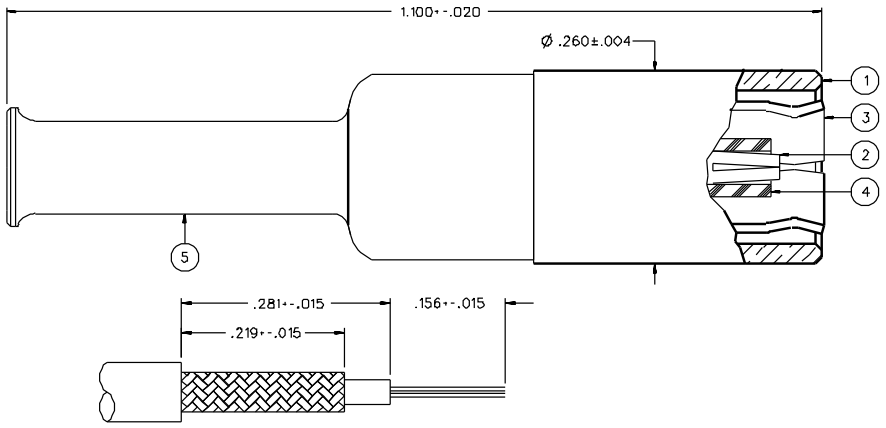
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INTERFACE	ITEM ④ INSULATOR	ITEM ⑤ CRIMP SLEEVE
131-3402-001	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
131-3402-006	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	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN
131-3402-016	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	BERYLLIUM COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



CABLE STRIP DIMENSIONS

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-4 GHZ
VSWR: 1.35+.04 F (F IN GHZ)
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 1000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER ENVIRONMENTAL 8 MILLIOHM MAX
OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL 1.5 MILLIOHM MAX
NICKEL PLATED INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL 3.5 MILLIOHM MAX
BRAID TO BODY - INITIAL 1 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
CORONA LEVEL: 185 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .30 DB MAX AT 1.5 GHZ
RF LEAKAGE: -55 DB MIN AT 2 TO 3 GHZ
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 VRMS MIN AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE FORCE: INITIAL 14 LBS MAX, AFTER DURABILITY 14 LBS MAX
ENGAGEMENT/2 LBS MIN DISENGAGEMENT
MATING TORQUE: NOT APPLICABLE
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 4 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG 178/U, RG 196/U

CABLE HEX CRIMP SIZE: .105
CABLE RETENTION: 10 LBS MIN OR CABLE BREAKING STRENGTH
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
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 B
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B

DRAWING NO.
C - 131-3402-001/020

0	REVISIONS				
ENGINEERING RELEASE					
01	09-26-88	EJ	LCS	RJB	09-29-88 ECO 23548
VAX VERSION UPDATE					
02	11-16-88	EJ	RJS	LCS	RJB 11-23-88 ECO 23731
ADDED: DIA .266+-.004.					
3	8-6-90	CJ	RJB	AW	8-10-90 ECO 24813
CHANGED: UPDATED GRAPHICS					
4	11-13-96	RH	SVC	TAK	RJB RB ECN 44400
CHANGED: UPDATED GRAPHICS					
* REVISION NUMBER FOLLOWED BY AN ALPHA * CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. *					
4b	8-24-99	RH	RB		ECN 46626

CUSTOMER DRAWING

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

"μSTATION"

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TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY EJ	DATE 3-28-87	JOHNSON Components 299 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	
DECIMALS .XX	mm	CHECKED BY	DATE	TITLE PLUG ASSEMBLY STRAIGHT CABLED SMB, 50 OHM, RG 178	
.XXX		APPROVED BY LCS	DATE 9-26-88		
MATL		APPROVED BY RJB	DATE 9-26-88	CODE NO.	DRAWING NO. C - 131-3402-001/020
FINISH		RELEASE DATE	9-29-88	SCALE 10:1	U/M INCH SHEET 2 OF 2

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