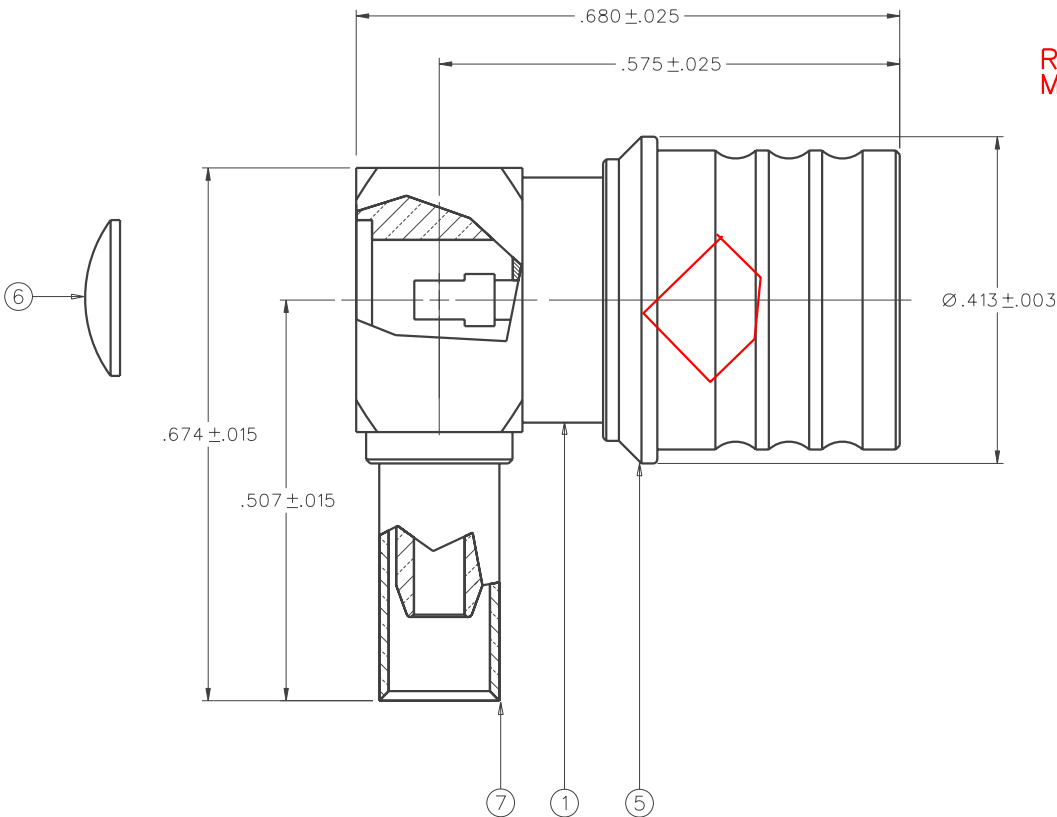
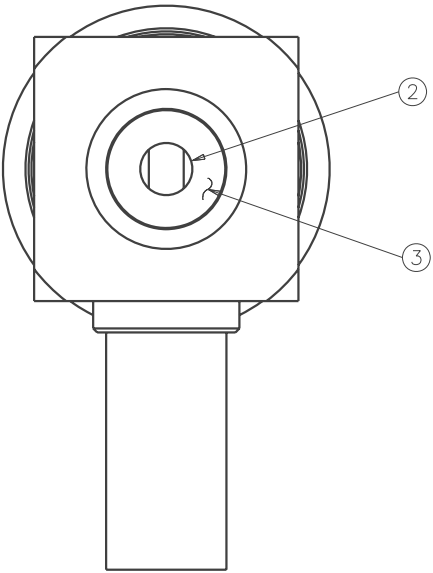


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ COUPLING DEVICE	ITEM ⑤ DE-COUPLING SLIDER	ITEM ⑥ END CAP	ITEM ⑦ CRIMP SLEEVE
146-0403-107	BRASS TRI-ALLOY PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER TRI-ALLOY PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS TRI-ALLOY PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS TRI-ALLOY PL .0001 MIN OVER COPPER PL .00005 MIN	COPPER TRI-ALLOY PL .0001 MIN OVER COPPER PL .00005 MIN

DRAWING NO. C - 146-0403-101/110			
REVISIONS			
PRE-PRODUCTION USE ONLY			
0	9-26-08	TAKUB	9-26-08 ECN 51633
PRE-PRODUCTION USE ONLY DRAWING UPDATE			
0a	8-22-09	TAKUB	9-14-09 ECN 52033

REV.1 ECO 52109
MARKUP TAK 1-24-10



NOTES:

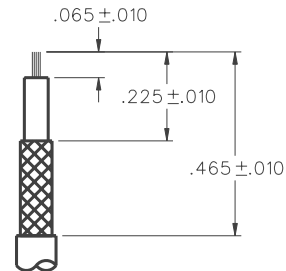
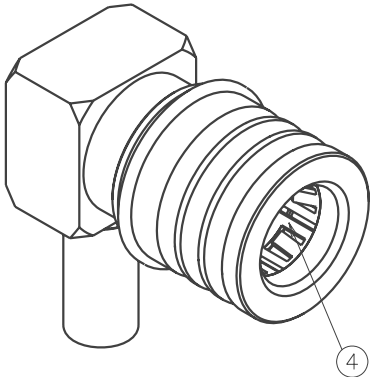
1. SPECIFICATIONS:
- IMPEDANCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15 + 0.03F
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 CABLE BRAID TO CONNECTOR BODY - INITIAL 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
- CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .15√F (F IN GHz) AT 6 GHz
RF LEAKAGE: -80 DB MIN AT 3.0 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

ENGAGE FORCE: 5.6 POUNDS TYPICAL
DISENGAGE FORCE: 4.5 POUNDS TYPICAL
COUPLING RETENTION FORCE: 13.5 POUNDS MIN
CONTACT RETENTION: 6 LBS MIN
CABLE ACCEPTABILITY: RG 188/U, RG 316/U, RG 161/U, RG 174/U
CABLE HEX CRIMP SIZE: .128
CABLE RETENTION: 20 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT +85°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



CABLE STRIP DIMENSIONS
4:1

FOR QUOTATION ONLY
UNAPPROVED

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY T.A.Kari	DATE 4-09-08	 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY XXX	DATE X		
.XX		APPROVED BY XXX	DATE X	TITLE RA PLUG KWIQIMATE CONNECTOR CRIMP TYPE, RG-316	
.XXX ±.003		RELEASE DATE	X	SHEET 2 OF 2	DRAWING NO. C - 146-0403-101/110
MATL		U/M	INCH	SCALE	10:1
FINISH					