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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE	2/23/2012	MJM	RS	MJM

MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING PROOF TORQUE	1.5 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS MIN.
FORCE TO ENGAGE	2.0 IN-LBS. MAX.
FORCE TO DISENGAGE	2.0 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	MASS = 1.5.43 GRAMS

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50.0 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.07:1 MAX.
12.4 GHz - 18.0 GHz	1.15:1 MAX
INSERTION LOSS	0.04 \sqrt{f} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1175 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	300 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	775 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

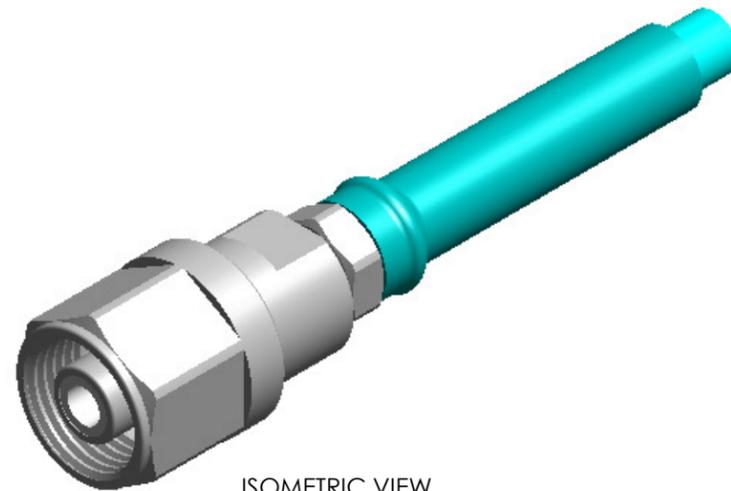
OPERATING TEMPERATURE	-62°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

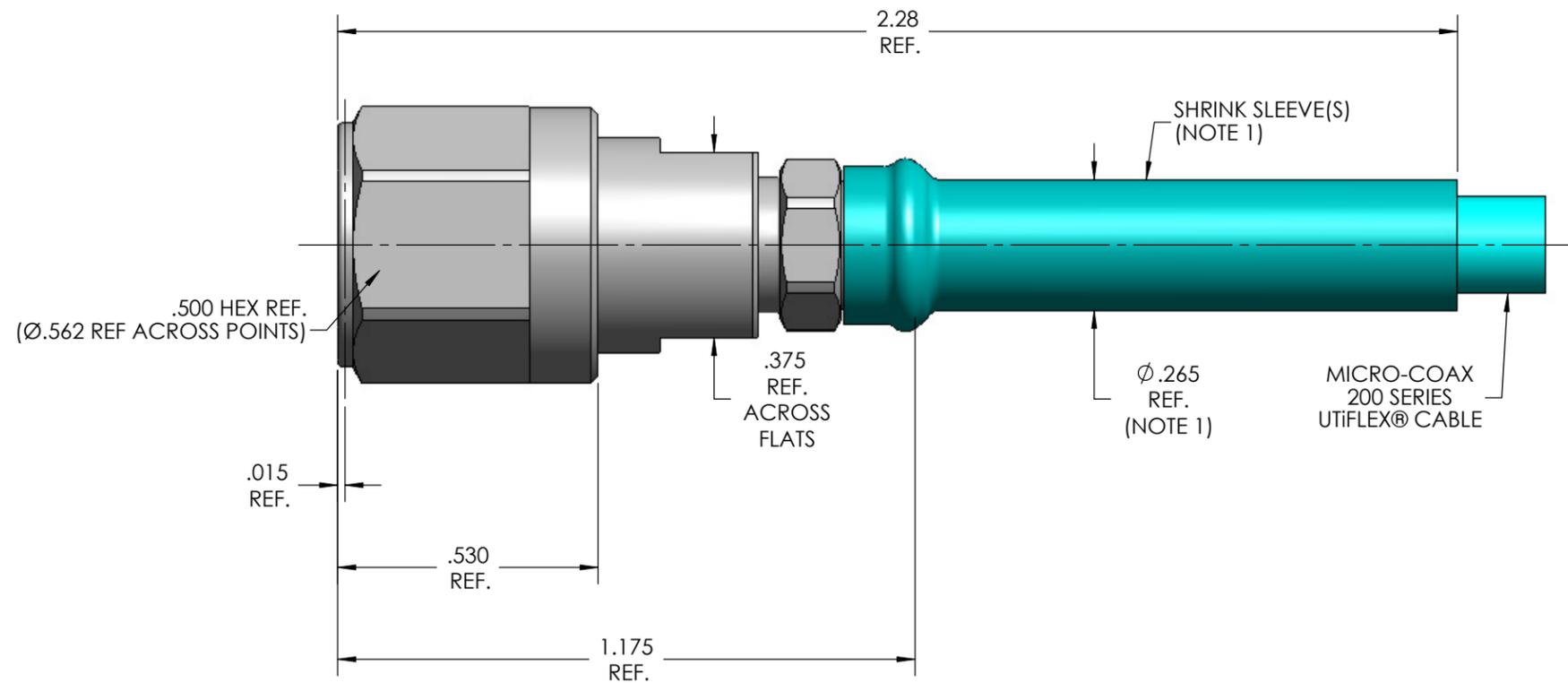
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
BODY, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
GASKET	SILICONE RUBBER PER ZZ-R-765
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR & DIELECTRIC STOP	TFE FLUOROCARBON, PER ASTM-D-1710

APPLICATION

CABLE(S)	200 SERIES
INSTALLATION	PER CONFIGURATOR



ISOMETRIC VIEW
SCALE 2:1



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

SPECIFICATION DRAWING

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	DWN.	MJM	2/23/12		
	CHKD.	MJM	2/23/11		
	APPVD.				
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE			
.XX	± .02	TK PLUG, 200 SERIES CABLE			
.XXX	± .005	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.			
.XXXX	± .0010	FSCM NO.	SIZE	SCALE	SHEET NO.
ANGLES	±2°	64639	B	3:1	1 OF 1
		DRAWING NO.	REV		
		SD903045	1		