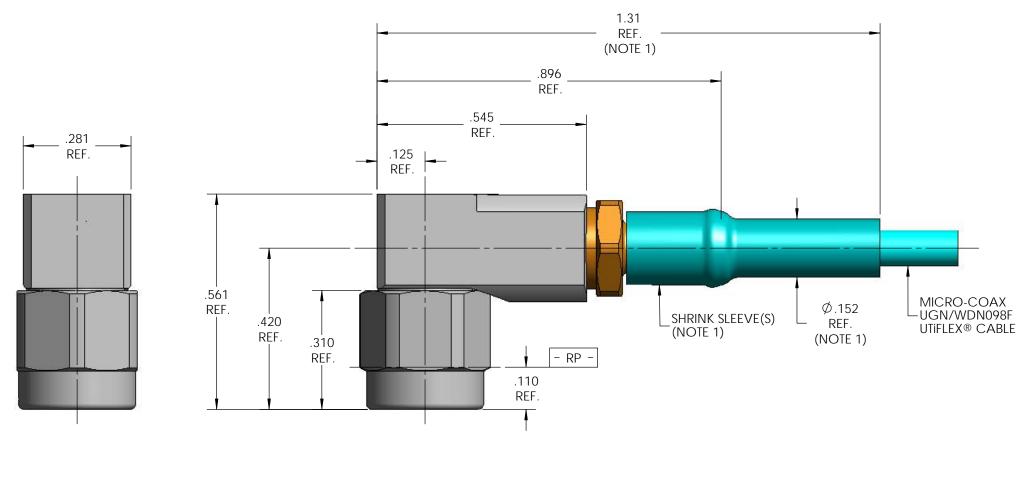
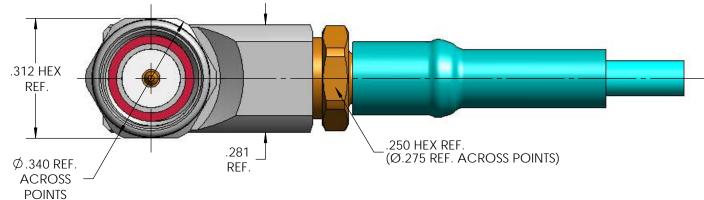
MECHANIC	AL CHARACTERISTICS
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEE	MIL-PRF-39012/56 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	10 LBS. MAX.
MASS	MASS = 6.89 GRAMS NOM.
ELECTRIC <i>A</i>	AL CHARACTERISTICS
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.46 GHz	1.12:1 MAX.
12.46 - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.04 VF (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	650 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	170 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	425 Vrms MIN.
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER)	4.0 MilliOhms MAX. 2.0 MilliOhms MAX.
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMEN	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMEN OPERATING TEMPERATURE	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT OPERATING TEMPERATURE VIBRATION	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT DPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT DPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT DEPERATING TEMPERATURE //BRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5%
RF HIGH POTENTIAL CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMEN OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATER	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) RIALS AND FINISH STEEL, CORROSION RESISTANT, PER ASTMA 5.582 LINS NO. \$30300
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMEN OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATER BODY & COUPLING NUT CONTACTS & REAR BODY	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) RIALS AND FINISH STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATER BODY & COUPLING NUT CONTACTS & REAR BODY SNAP RING	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) PASSIVATE PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATER BODY & COUPLING NUT	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) PASSIVATE PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197
ENVIRONMEN ENVIRONMEN ENVIRONMEN DPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATER BODY & COUPLING NUT CONTACTS & REAR BODY SNAP RING NSULATORS DIELECTRIC BEAD	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. ATAL CHARACTERISTICS -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) BIALS AND FINISH STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DIL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-B-197
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMEN ENVIRONMEN OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATER BODY & COUPLING NUT CONTACTS & REAR BODY SNAP RING INSULATORS	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) BIALS AND FINISH STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMEN ENVIRONMEN OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATER BODY & COUPLING NUT CONTACTS & REAR BODY SNAP RING INSULATORS DIELECTRIC BEAD GASKET	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) BIALS AND FINISH STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMEN ENVIRONMEN OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATER BODY & COUPLING NUT CONTACTS & REAR BODY SNAP RING INSULATORS DIELECTRIC BEAD GASKET	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. -62 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) PIALS AND FINISH STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BERYLLIUM COPPER, PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-B-197 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205 SILICONE RUBBER PER ZZ-R-765

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
Α	ECO 115548	9/15/2011	MJM	RS	CCF





SPECIFICATION DRAWING

NOTE:

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

	THIS SPECIFICATION IS THE		INITIALS	DATE	
	PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED	DWN.	MJM	5/24/11	1
	OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION	CHKD.	CCF	5/24/11	
	OF MICRO-COAX, INC.	APPVD.			
ı					

Leading the way in transmission line solutions. Copyright Micro-Coax, Inc.

OF WHERE COVER, INC.		APPVD.	o.				oust, mo.		
TOLERANC OTHEWISE		SMA PLUG, MITER RIGHT ANGLE, UGN/WDN098F							
.XX	± .02								-
.XXX	± .005	ALL DIMENSIONS IN IN UNI ESS OTHERWISE SPEC	F3CIV	л NO. 🤚 🤅	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
.XXXX	± .0010	SCREW THDS. TO BE IN AC		639	Ъ	4.1	1 OF 1	SD905116	A
ANGLES	±2°	WITH ANSI B1.1-1989	9. 040	039	D	4.1	I OF I	30903110	^