

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	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. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	2.86 GRAMS NOM.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	6 GHz
VSWR DC - 6 GHz	1.20:1 MAX.
INSERTION LOSS	0.05 \sqrt{f} (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	125 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	325 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

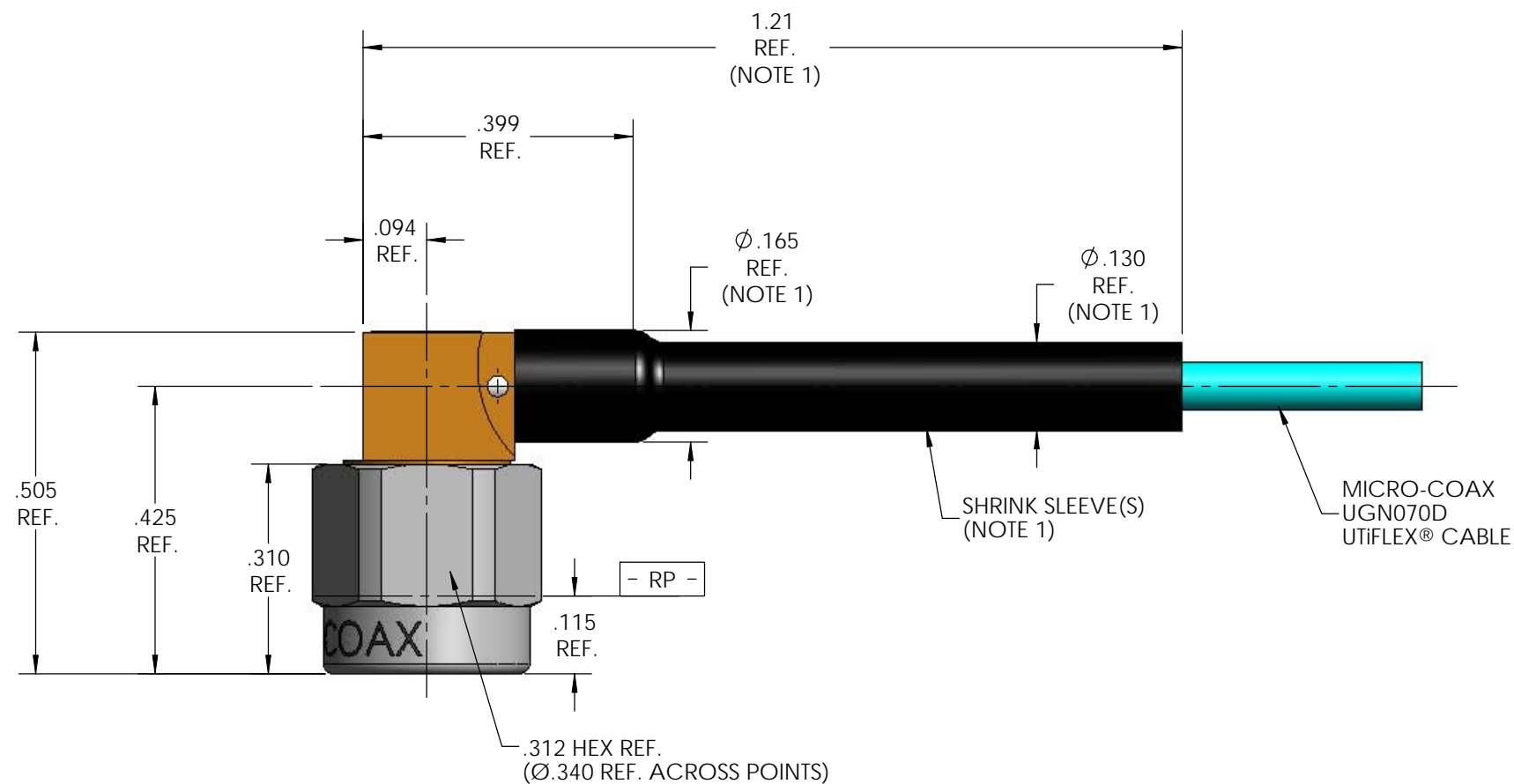
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65 °C TO 165 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)

MATERIALS AND FINISH	
COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
BODY & CONTACT	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
END CAP	BRASS, PER ASTM-B-36, GOLD PLATE PER MIL-DTL-45204, OVER COPPER PLATE PER MIL-C-14550
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
INSULATOR & REAR DIELECTRIC STOP	TFE FLUOROCARBON PER ASTM-D-1710
GASKET	SILICONE RUBBER PER ZZ-R-765
DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205

APPLICATION	
CABLE(S)	UGN070D
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.


REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE PER CDR	9/22/2004	PLM	DAS	-
B	ECO 55412	6/27/2005	SRS	MJK	-
C	ECO 105189	3/15/2010	MJM	RS	RS



NOTE:

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

SPECIFICATION DRAWING

THIS SPECIFICATION IS THE PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION OF MICRO-COAX, INC.	INITIALS		DATE		 Leading the way in transmission line solutions. Copyright Micro-Coax, Inc.					
	DWN.	MJK	8/15/02							
	CHKD.	RS	8/16/10							
	APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE								
.XX ± .02		SMA RIGHT ANGLE PLUG, UGN070D								
.XXX ± .005		ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV	
.XXX ± .0010		64639	B	4:1	1 OF 1	SD903774	C			
ANGLES ± 2°										