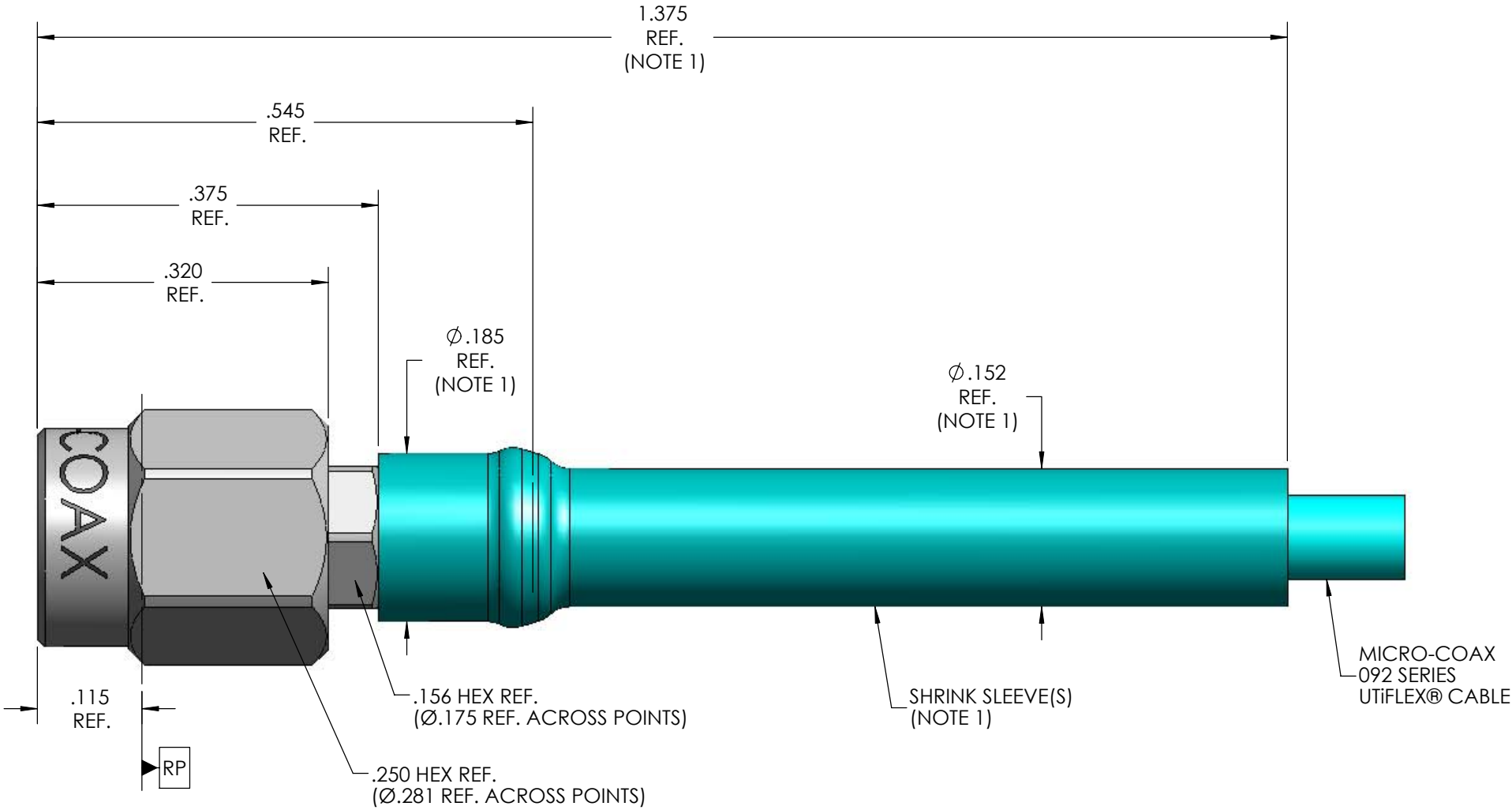


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 319-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/139 REF.
RECOMMENDED MATING TORQUE	2 IN-LBS. NOM.
COUPLING PROOF TORQUE	7 IN-LBS NOM.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MIN.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	4 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	10 LBS. MIN.
MASS	1.55 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 - 40GHz	1.25:1 MAX
INSERTION LOSS	0.03 √F (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)	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
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
MAIN BODY	STEEL, CORROSION RESISTANT PER ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	SILICONE RUBBER PER ZZ-R-765
CONTACT	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP	POLYETHRMIDE THERMOPLASTIC, PER ASTM-D-5205
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
APPLICATION	
CABLE(S)	092 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE	10/25/2002	DBK	DRB	-
B	ECO 45013	1/9/2004	RDM	DBK	-
C	ECO 55412	6/25/2003	SRS	MJK	-
C1	ECO 65239	8/2/2006	MJK	RS	-
D	ECO 105504	7/12/2010	MJM	RS	MJR



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	DWN.	DBK	7/23/02								
	CHKD.	MJR	6/24/10								
	APPVD.										
TOLERANCES UNLESS OTHERWISE SPECIFIED			TITLE								
.XX ± .02			SSMA PLUG, 092 SERIES CABLE								
.XXX ± .005			ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO. 64639	SIZE B	SCALE 6:1	SHEET NO. 1 OF 1	DRAWING NO. SD903674	REV D	
.XXXX ± .0010											
ANGLES ±2°											

NOTE:

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