MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 319-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/140 REF.
RECOMMENDED MATING TORQUE	5 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS NOM.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	4 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	2 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	2.36 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.22:1 MAX.
12.4 - 18 GHz	1.35:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	750 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	190 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	500 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

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
COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
REAR DIELECTRIC STOP & INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
END CAP	BRASS, PER ASTM-B-36 GOLD PLATE PER MIL-DTL-45204, OVER COPPER PLATE PER MIL-C-14550

APPLICATION

CABLE(S)	092 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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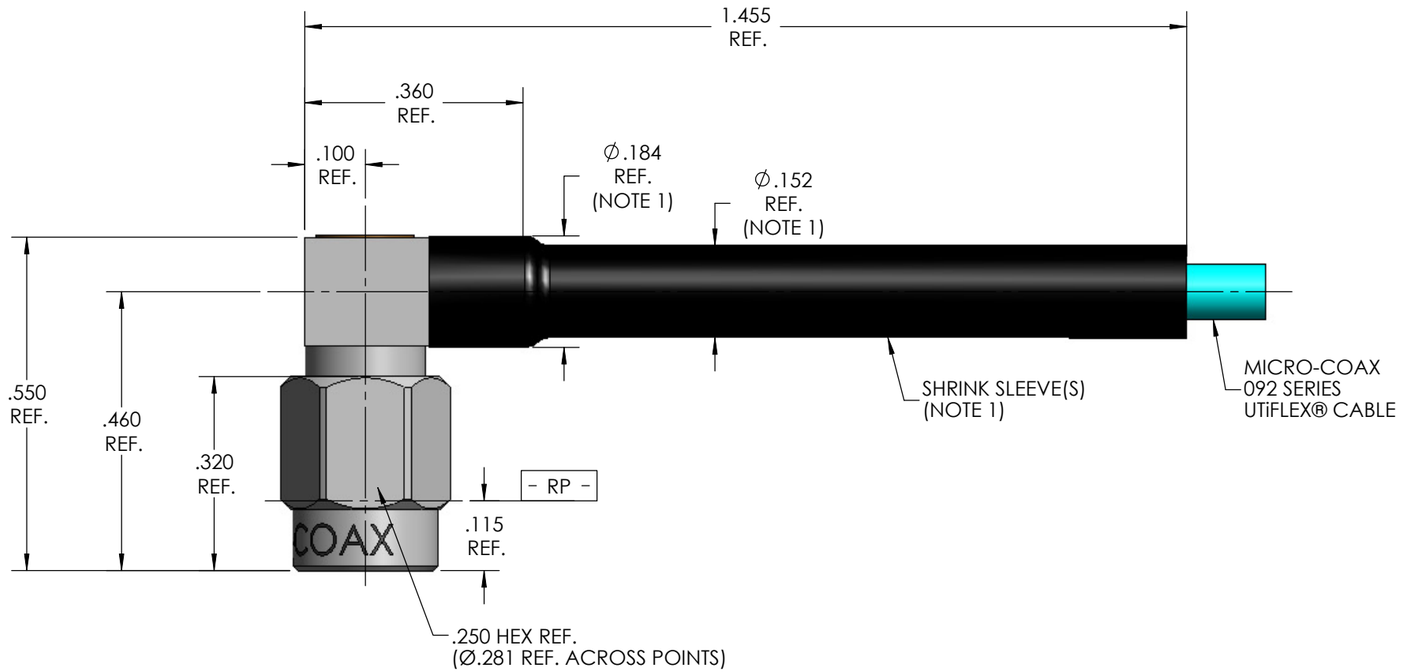
REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE	8/15/2002	MJK	MJK	-
2	REVISED SPECIFICATIONS	8/30/2002	PLM	DRB	-
3	REVISED VSWR SPECIFICATIONS	11/27/2002	MJK	MJK	-
4	INSERTION LOSS MIN. TO MAX.	3/15/2010	RDM	DBK	-
5	REVISED COUPLING NUT	6/23/2005	SRS	MJK	-
6	ECO 105189	3/15/2010	MJM	RS	RS
7	REVISED OPERATION TEMP FROM -65°C TO -62°C	5/2/2013	MJM	RS	MJM



NOTE:

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

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	INITIALS	DATE
DWN.	MJK	8/15/02
CHKD.	MJM	5/6/13
APPVD.		

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TOLERANCES UNLESS OTHEWISE SPECIFIED	
.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	±2°

TITLE: SSMA RIGHT ANGLE PLUG, 092 SERIES

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
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