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REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE - 107012	10/28/2010	MJM	RS
A1	ECO 106089	11/30/2010	MJM	RS
B	ECO 115671	11/8/2011	MJM	RS

MECHANICAL CHARACTERISTICS

INTERFACE	MIL-STD-348, FIGURE 323.1
SLANT SHEET	IEEE P287/D3
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS MIN.
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)	6 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
CABLE RETENTION	15 LBS. MIN.
MASS	3.54 GRAMS NOM.
MASS (WITHOUT HEAT SHRINK CAP)	2.64 GRAMS NOM.

ELECTRICAL CHARACTERISTICS

IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	32 GHz
VSWR DC - 15 GHz	1.07:1 MAX.
15 - 22 GHz	1.09:1 MAX
22 - 26.5 GHz	1.11:1 MAX
26.5 - 32 GHz	1.12:1 MAX
INSERTION LOSS	0.03 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	950 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 32 GHz	-90 dB MIN.
CORONA	250 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	625 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

ENVIRONMENTAL CHARACTERISTICS

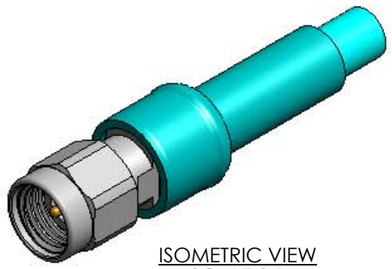
OPERATING TEMPERATURE	-55°C TO 155°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH

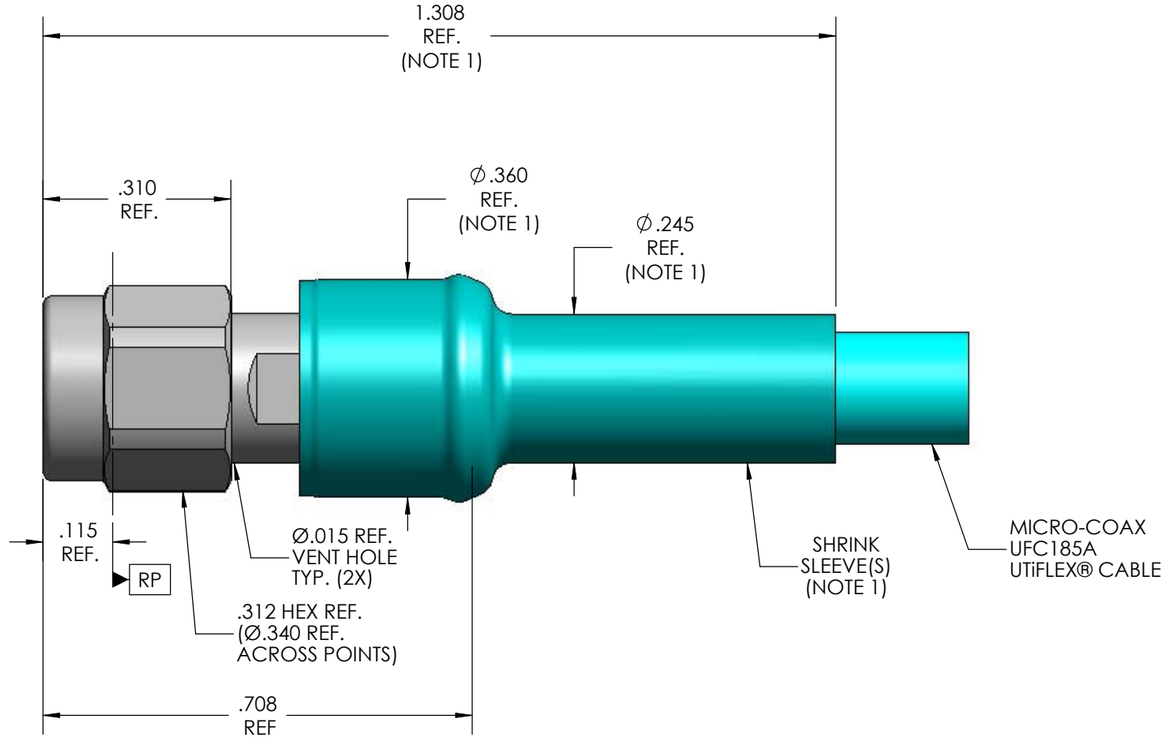
HEAT SHRINK CAP, COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
BODY	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
DIELECTRIC STOP	TFE FLUOROCARBON, PER ASTM-D-1710
DIELECTRIC BEAD	POLYETHERMIDE THERMOPLASTIC UNREINFORCED, PIE0113 PER ASTM-D-5205

APPLICATION

CABLE(S)	UFC185A
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.
2. OPTIONAL CONFIGURATION WITH ARMOR AVAILABLE.

SPECIFICATION DRAWING

	INITIALS	DATE
DWN.	MJM	9/23/10
CHKD.	CCF	9/30/10
APPVD.		

MICRO-COAX®
Leading the way in transmission line solutions.

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

TITLE: 2.92 mm (K) PLUG, VENT HOLE, UFC185A

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
	64639	B	4:1	1 OF 1	SD905091	B