MECHANICA	AL CHARACTERISTICS
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/55 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.
CENTER CONTACT INSERTION (FROM CABLE)	3 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	50 LBS. MIN.
MASS	MASS= 12.54 GRAMS NOM.
ELECTRICAL	CHARACTERISTICS
IMPEDANCE	50 Ohms NOM.

FNVIRONN	MENTAL CHARACTERISTICS
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
RF HIGH POTENTIAL	900 Vrms MIN.
CORONA	340 Vrms MIN. @ 70,000 FEET
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
DIELECTRIC WITHSTANDING VOLTAGE	1350 Vrms MIN.
INSERTION LOSS	0.03 VF (GHz) dB MAX.
VSWR DC - 18 GHz	1.16:1 MAX.

18 GHz

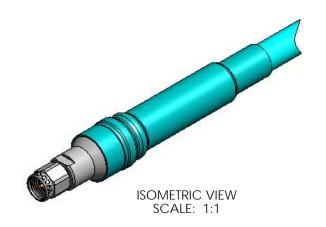
MAXIMUM FREQUENCY

ENVI	RONMENTAL 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)

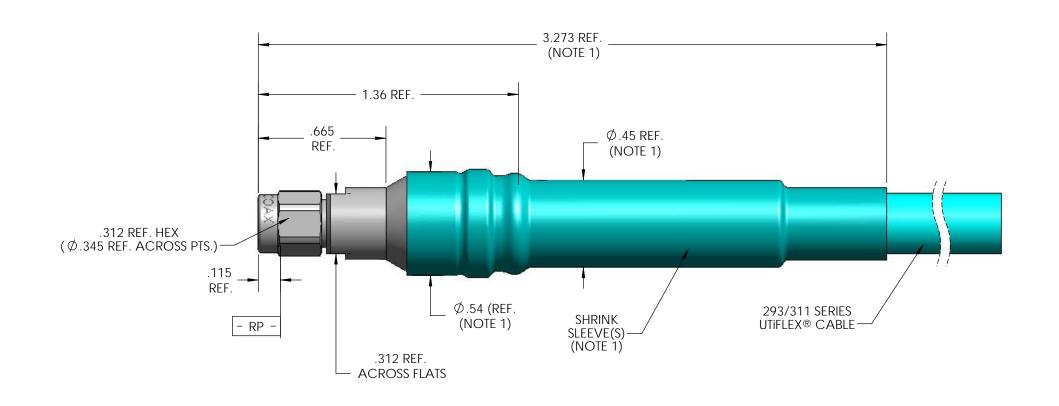
MATERIALS AND FINISH					
STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967					
BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204 AND ASTM-B-488, OVER NICKEL PLATE PER AMS-QQ-N-290					
BERYLLIUM COPPER, PER ASTM-B-197					
TFE FLUOROCARBON PER ASTM-D-1710					
SILICONE RUBBER PER ZZ-R-765					
BRASS, PER ASTM-B-16 GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290					

APPLICATION				
CABLE(S)	293/311 SERIES CABLE			
INSTALLATION	PER CONFIGURATOR			

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REV.	DESCRIPTION	DATE	BY	APPVD
1	Preliminary release	07/27/05	JMK	DBK
2	ECO 105670	08/18/10	PLM	RS
3	FCO 135174	3/26/2013	CCF	RS



SPECIFICATION DRAWING

NOTE:

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

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						Lead	ling ti	he way	in transmi	ssion line solutions	s.	
							3	Copyri	ght Micro-	Coax, Inc.		
	TOLERANCES UNLESS OTHEWISE SPECIFIED		SMA PLUG, 293/311 SERIES									
.XX	± .02											
.XXX	± .005	1	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.		FSCM	NO.	SIZE	SCALE	SHEET NO.	Drawing No.	REV	
.XXXX	± .0010	1	SCREW THDS. TO BE IN ACCORD		646	20	D	2.1	1 OE 1	SD901130	2	
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