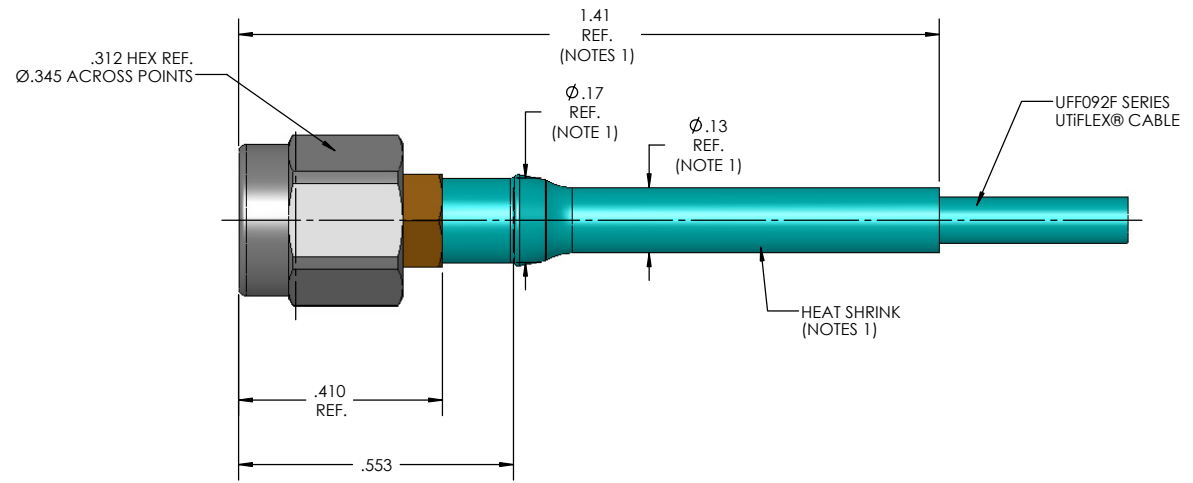


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIG 310.2
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING NUT PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE/DISENGAGE	2 IN-LBS. MAX
DURABILITY	500 CYCLES
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MAX
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX
CENTER CONTACT INSERTION FORCE (CABLE)	2 LBS. MAX
CENTER CONTACT WITHDRAW FORCE (CABLE)	1 oz MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	2.65 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
V SWR DC - 18 GHz	1.12:1 MAX
INSERTION LOSS	0.03 $\sqrt{F}$ (GHz) db MAX
DIELECTRIC WITHSTANDING VOLTAGE	750 Vrms MIN.
INSULATION RESISTANCE	5000 Mega Ohms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	190 Vrms MIN @ 70,000 FEET
RF HIGH POTENTIAL	500 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 Milli Ohms MAX
CONTACT RESISTANCE (OUTER)	2.0 Milli Ohms MAX
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-55°C TO +150°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
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIAL AND FINISH	
BODY, CONTACT	BERYLLIUM COPPER, UNS NO. C17300, PER ASTM-B-196 GOLD PLATE PER MIL-G-45204, 50 MICROINCH MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES THK. MIN.
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
DIELECTRIC STOP(S)	POLYPHENYLENE SULFIDE (PPS) PER ASTM-D-6358
COUPLING NUT	STEEL, CORROSION RESISTANT, COND. A, NON-MAGNETIC PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197
GASKET	SILICONE RUBBER PER A-A-59588
APPLICATION	
CABLE(S)	UFF092F
INSTALLATION	PER CONFIGURATOR

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE-RDCR_67012	1/22/2007	JMK	MJK



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

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		DWN.	JMK	1/22/07							
		CHKD.									
		APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE				SMA PL, UFF092F					
XX	± .02	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	± .005					64639	B	4:1	1 OF 1	SD904675	A
XXXX	± .0010										
ANGLES	± 2°										