

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING NUT 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.
CABLE RETENTION	15 LBS. MIN.
MASS	2.56 GRAMS NOM.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
18 - 40 GHz	1.20:1 MAX.
INSERTION LOSS	0.03 $\sqrt{f}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	975 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 40GHz	-90 dB
CORONA (70,000 FT)	250 Vrms MIN.
RF HIGH POTENTIAL	650 Vrms MAX.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

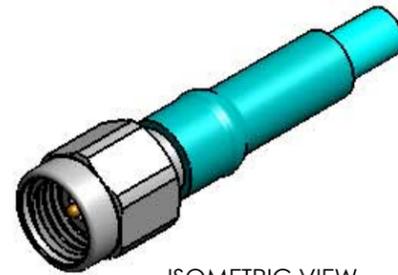
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65 °C TO +150 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D, 20Gs
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I, 10Gs
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIAL AND FINISH	
BODY, COUPLING NUT,	STEEL, CORROSION RESISTANT, CONDITION A, NON-MAGNETIC PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CONTACT	BERYLLIUM COPPER, UNS NO. C17300, PER ASTM-B-196. GOLD PLATE PER MIL-G-45204, 50 MICROINCHES MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES MIN.
SNAP RING	BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197
DIELECTRIC BEAD(S)	ULTEM 1000 PER ASTM-D-5205
GASKET	SILICONE RUBBER PER ZZ-R-765

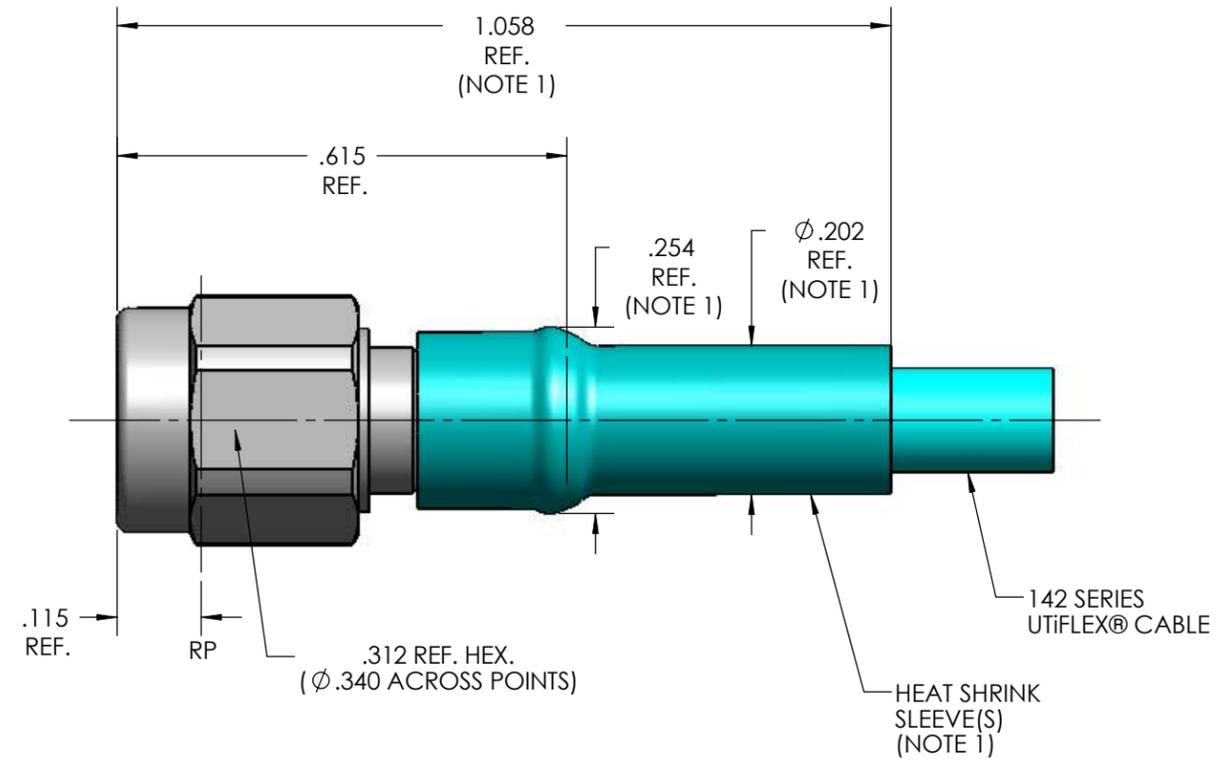
APPLICATION	
CABLE(S)	142 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

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REV.	DESCRIPTION	DATE	BY	APPVD
1	PRELIMINARY RELEASE - ESR 814117	3/14/2008	MJM	RS



ISOMETRIC VIEW  
SCALE 2:1



NOTE:

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

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	DWN.	MJM	3/14/08		
	CHKD.	MJM	3/14/08		
	APPVD.	RS	3/14/08		
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE			
.XX	± .02	2.92 MM PLUG, 142 SERIES CABLE			
.XXX	± .005	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO.	SIZE
.XXXX	± .0010	64639	B	SCALE	SHEET NO.
ANGLES	± 2°	1 OF 1	DRAWING NO.	SD903143	REV
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