

MECHANICAL CHARACTERISTICS	
INTERFACE	PER MICRO-COAX DRAWING A-18488
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	9.0 IN-LBS. NOM.
CENTER CONTACT INSERTION FORCE (INTERFACE)	2.0 IN-LBS. MAX.
CENTER CONTACT WITHDRAW FORCE (INTERFACE)	1.0 oz MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6.0 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6.0 LBS. MAX.
CABLE RETENTION	10 LBS. MIN.
MASS	8.29 GRAMS NOM.
RECOMMENDED JAM NUT TORQUE	12 - 15 IN. LBS.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.16:1MAX.
18 GHz - 40 GHz	1.22:1 MAX
INSERTION LOSS	0.04 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	825 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	220 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	550 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	4.0 MilliOhms 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 (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
CONTACT	BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL- 45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
BODY, SLEEVE, CLAMP NUT & NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CONTACT RING	BRASS, PER ASTM-B-16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
LOCKWASHER	TIN BRASS (UNS C42500) PER ASTM-B-591 OR PHOSPHOR BRONZE (C5191R-H) PER JIS H3110, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
APPLICATION	
CABLE(S)	UFB142A SERIES CABLE
INSTALLATION	PER CONFIGURATOR

