

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 321.2
SLANT SHEET	MIL-PRF-31031
FLOAT MOUNT TRAVEL (AXIAL)	.060 IN. MAX
FLOAT MOUNT SPRING FORCE @ .010	3.0 LBS. ±0.5 LBS.
FLOAT MOUNT SPRING FORCE @ .050	3.7 LBS. ±0.5 LBS.
FLOAT MOUNT SPRING FORCE @ .060	3.8 LBS. ±0.5 LBS.
FORCE TO ENGAGE	3 LBS. MAX.
FORCE TO DISENGAGE	1.5 LBS. MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MAX.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MAX.
DURABILITY	100 CYCLES MIN.
CABLE RETENTION	20 LBS. MIN.
MASS	5.61 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDENCE	50 Ohms NOM.
MAXIMUM FREQUENCY	26.5 GHz
VSWR DC - 1 GHz	1.07:1 MAX
1 - 18 GHz	1.16:1 MAX
18 - 26.5 GHz	1.20:1 MAX
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	950 Vrms for 30 Sec.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-65 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	-65 °C TO 125 °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	
HOUSING, SLEEVE, FRONT BODY, WASHERS	STEEL, CORROSION RESISTANT, COND. A, NON-MAGNETIC, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
MAIN BODY	STEEL, CORROSION RESISTANT, COND. A, NON-MAGNETIC, ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CRESENT RING	STEEL, CORROSION RESISTANT, PH 15-7 Mo (AMS 5520 OR EQUIVALENT), PASSIVATED
CONTACT, FLEA	BERYLLIUM COPPER, ASTM-B-196, UNS NO. C17300, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER QQ-N-290
SPRING WASHER, FRONT SPRING	BERYLLIUM COPPER, ASTM-B-194, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
SPRING	STEEL, CORROSION RESISTANT, NON-MAGNETIC, 17-7 PH SS COND. C (CH-900) PER AMS 5678, PASSIVATED PER ASTM-A-967
DIELECTRIC STOP, DIELECTRIC BEAD	POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205
APPLICATION	
CABLE(S)	UFB142C
INSTALLATION	PER CONFIGURATOR

