

ENG FILE COPY

"DESIGN CRITERIA"

SF6545-6003

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-12.4		
Voltage Rating (max. vrms)	500	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade) 2)	-65 To +105°C		
VSWR (max.)	1.05 + .005xFGHz	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To + 115°C)
Insertion Loss (dB max.)	.05x√FGHz		
RF Leakage (min. dB down)	100dB-FGHz	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
RF High Potential (max. vrms)	1000 AT 5MHZ		
Dielectric Withstanding Voltage (max. vrms)	1500	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Insulation Resistance (min. megohms)	5000		
Contact Resistance		Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (375 vrms)
Center Contact (max. milliohms)	1.0		
Outer Contact (max. milliohms)	0.2	Hermeticity	N/A
Center Contact Axial Forces			
Insertion (max. ounces)	24.0		
Withdrawal (min. ounces)	2.0	Captivation (Min. Axial Force)	6 Lbs.
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	6.0		

REMARKS: 1.) RECOMMENDED MATING TORQUE: 35-40 INCH POUNDS
 2.) CONNECTOR IS DERATED FROM +165°C WHEN MATED WITH CABLE SPECIFIED.

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