

C50292MM.2 Test Cable

2 Foot Cable

Electrical Specifications

Frequency Range	DC - 40 GHz
Impedance	50 Ω
Insertion Loss	
DC - 10 GHz	1.40 dB/m min
10 GHz - 18 GHz	1.95 dB/m min
18 GHz - 26.5 GHz	2.35 dB/m min
26.5 GHz - 40 GHz	2.95 dB/m min
Return Loss	
DC - 10 GHz	25 dB max
10 GHz - 18 GHz	22 dB max
18 GHz - 26.5 GHz	20 dB max
26.5 GHz - 40 GHz	16 dB max
Velocity of Propagation (%)	77% nominal
Shielding Effectiveness	> 100 dB at 1 GHz
Power Rating (watts) CW	150 W at 10 GHz
Dielectric Withstanding Voltage	1000 Vrms
Phase Stability vs Temperature	1500 PPM from 0°C to 60°C

Mechanical Specifications

Cable Diameter	3.72 mm nominal
Minimum Bend Radius	35 mm
Coupling Torque	0.80 Nm to 1.10 Nm
Flex Life Bending	10000 cycles minimum
Connector	50 Ω , 2.92 male and 2.92 male
Length	2 ft
Temperature Range	-55°C to 165°C
Connector Types, Material & Plating	Stainless Steel Bodies, Gold Plated Center Conductor

