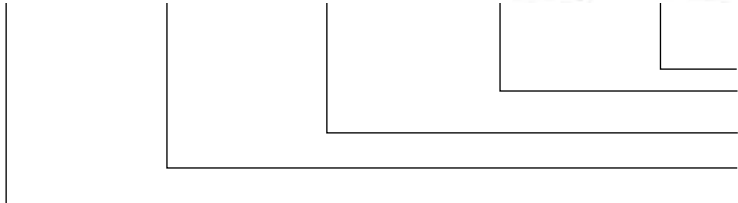


Rev	Description	Date	By
A	Initial Release – CDC 63277	11/21/22	JR



Component	Dimensions (in/mm)	Material
Center Conductor	0.0113 (0.287)	Silver Plated Copper Clad Steel
Dielectric	0.0370 (0.940)	FEP
Outer Braid	0.0410 (1.041)	Silver Plated Copper Clad Steel
Outer Braid	0.0450 (1.143)	Silver Plated Copper Clad Steel
Jacket	0.0540 (1.422)	Blue FEP

**Mechanical Properties**

Static Bend Radius: 0.20 in (5.08 mm)  
 Dynamic Bend Radius: 0.40 in (10.16 mm)  
 Maximum Outer Diameter: 0.0550 in (1.397 mm)  
 Maximum Weight/1000 feet: 3.77 lbs (1.71 kg)  
 Operating Temperature: -65°C to +150°C

**Electrical Properties**

Characteristic Impedance: 50 ohms nominal  
 Velocity of Propagation: 70% nominal  
 Capacitance: 28.83 pF/ft (94.59 pF/m)

**Attenuation, 25°**

Maximum Attenuation: 1.225342VF + 0.001833F (dB/100ft)  
 4.020150VF + 0.006013F (dB/100m)  
 Where F = Frequency in MHz

Frequency (GHz)	Maximum Attenuation (dB/100 ft)	
	dB/100 ft	dB/100 m
0.5	28.31	92.89
1.0	40.58	133.14
5.0	95.81	314.35
10.0	140.87	462.19
18.0	197.38	647.60
26.0	245.23	804.60
40.0	318.38	1044.60

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 www.timesmicrowave.com

Product Name  
**TF-047**

Part Number  
**58001**



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Dwg No.: **AA-12121**

**Rev A**