P1CA-29MSMFT-F090-36

RF flexible cable assembly, 2.92mm male straight to SMPM-T (threaded) female straight, 0.090 inch flexible coaxial cable, 36 inch. Frequency is DC to 40 GHz with a 1.40 max VSWR.



Product Features

P1CA-29MSMFT-F090-36 is a 50 Ohm flexiable low loss cable assembly, 2.92mm male to SMPM-T (threaded) female straight. The assembly is 36 inch and frequency is DC to 40 GHz with a max VSWR 1.40.

P1dB's F090 cable is a flexible 50 Ohm cable with an outer diameter of 0.090 inch (2.3mm). The cable is constructed with low density dielectric (LD PTFE) for low loss at microwave frequencies. Bend radius is 0.6 inch (15mm). The cable has 2 shield layers for Effective Shielding>90dB.

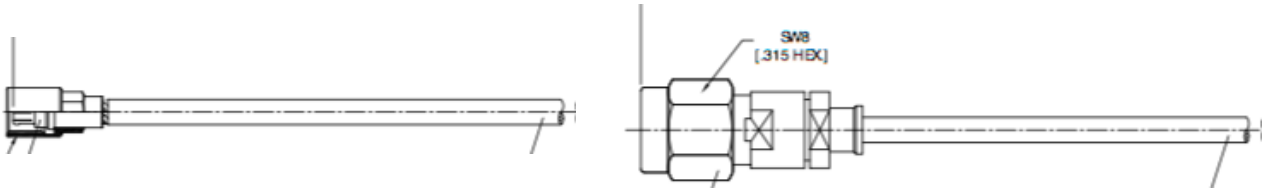
Electrical Specification: $T_{Ambient}$ = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		40.0	

Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	SMPM-T female	
Connector 2	2.92mm Male	
Length	36.0	
RoHS Compliance	Yes	

Graph



P1dB, Inc. 188 Martinvale Lane, San Jose, CA 95119 +1(408)613-4857

sales@p1dB.com

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	Material	Diameter	
		mm	inch
Inner Conductor	Silver Plated Copper	0.51	0.020
Dielectric	LD PTFE	1.60	0.063
Outer Conductor	Sprial Wrapped Silver Plated Copper Tape+Silver Plted Copper Braid	2.10	0.083
Jacket	Black FEP	2.30	0.090

Electrical Characteristics	
Impedance	50 Ohms
Velocity of Propagation	74%
Shielding Effectivene	>90 dB
Cut-off Frequency	67 GHz
Max. Operating voltage	0.5KV

Mechanical Characteristics	—	
Cable Minimum Static Bend Radius	15 mm	0.591 inch
Cable Minimum Dynamic Bend Radius	36 mm	1.417 inch
Weight	18 g/m	0.012 lbs/ft

Environmental Characteristics	
Operating Temp(℃)	-55 to +165



Product Notes

Temp range -55 t +125 deg C.

Typical delivery is 4 weeks.

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