P1CA-29M29M-085CJ-5

2.92mm Male to 2.92mm Male RF flex cable using Flexiform 085 hand formable cable, 5 inches long, DC to 40 GHz.



Product Features

P1dB's RF cable assembly P1CA-29M29m-085CJ-5 is a 50 Ohm hand formable cable 5 inches long with an outer diameter of 0.104 inch. It has 2.9mm male connectors and operates to 40 GHz with a typcial VSWR of 1.40 (1.45 maximum). The cable has a bend radius of 0.25 inch and a Velocity of Propagation of 70%. Typical Insertion Loss measures 1.2 dB/ft at 18 GHz and 1.8 dB/ft at 40 GHz.

P1CA-29M29M-085CJ-5 is a hand formable high frequency cable assembly with good phase and amplitude stability for general test applications.

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

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		40.0	
VSWR	DC to 1.0	1:			1.2	
	1.0 to 18.0				1.25	
	18.0 to 30.0				1.3	
	30.0 to 40.0				1.45	
Insertion Loss	DC to 1.0	dB/ft.			0.2	
	1.0 to 18.0				IL2: 1.3	
	18.0 to 30.0				1.5	
	30.0 to 40.0				1.8	
Velocity Of Propagation		%		70.0		

Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	2.92mm Male	
Connector 1 Coupling Nut	Passivated Stainless Steel	
Connector 1 Body	Passivated Stainless Steel	
Connector 1 Contact	Gold Plated Brass	
Connector 2	2.92mm Male	
Connector 2 Coupling Nut	Passivated Stainless Steel	
Connector 2 Body	Passivated Stainless Steel	
Connector 2 Contact	Gold Plated Beryllium Copper	
Coax Cable	High Performance	
Cable Type	Flexiform 085	
Cable Inner Conductor	SPC	
Dielectric	PTFE	
Shield	2. SPC Braid	
Jacket	FEP	
Coax Diameter	0.104	
Minimum Bend Radius	0.25	
Length	5.0	

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

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Parameter	Description	Notes
Operating Temprature	-55.0 to 165 °C	
RoHS Compliance	Yes	

Product Notes

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