

Product Features

P1dB's RF cable assembly P1CA-29M29M-085CJ-2.5 is a 50 Ohm hand formable cable 2.5 inches long with an outer diameter of 0.104 inch. It has 2.92mm male connectors and operates to 40 GHz with a typical VSWR of 1.40 (1.45 maximum). The cable has a bend radius of 0.25 inch and a Velocity of Propagation of 70%.



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	2.5	

