P1CA-24M24M-130F-12-PM-1PS-SET4

Phase matched set of 4 cable assemblies, 2.4mm male to 2.4mm male, 130F flexible coax, 12 inch. Phase matched +/- 1 ps. Frequency DC to 50 GHz. Supplied as a skew (delay) matched set of 4 cables . Price is per set. Each set includes S-Parameter data.



Product Features

P1dB's matched cable P1CA-24M24M-130F-12-PM-1PS-SET4 is a matched set of 4 flexible low loss cable assemblies with 2.4mm male to 2.4mm male connectors. The assemblies are supplied as a matched set to within 1 ps over the frequency range DC to 50 GHz. The assembly length is 12 inches and typical insertion loss at 50 GHz is 1.4 dB. Typical VSWR from DC to 50 GHz is 1.30.The flexible 130F cable has an outer diameter of 0.14 inch (3.6mm) and has a Velocity of Propagation of 74%. The cable features 2 shield layers for >90 dB shielding performance. Made with a Low Density PTFE dielectric, typical attenuation at 50 GHz is 1.0 dB/ft.

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

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		50.0 GHz	

Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	2.4mm Male	
Connector 2	2.4mm Male	
Coax Cable	Flexible, low loss	
Cable Type	130F	
Coax Diameter	0.14	
Minimum Bend Radius	0.7	
Length	12.0	
Operating Temprature	-55.0 to 125.0 °C	
RoHS Compliance	Yes	

Product Notes

Mating cylecs > 500.

Temp range -55 to +125 deg C.

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Bend radius is 0.7 inch (18mm).

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