P1CA-24F24M-130F-24-PM-1PS

Phase matched cable assemblies, 2.4mm female to 2.4mm male, 130F flexible coax, 24 inch. Phase matched +/- 1 ps. Frequency DC to 50 GHz. Supplied as skew (delay) matched pairs (min buy quantity 2 pcs). Price is per cable. Contact P1dB for larger matched sets of cables (>2). Each set includes S-Parameter data.



Product Features

P1dB's matched cable P1CA-24F24M-130F-24-PM-1PS is a flexible low loss cable assembly with 2.4mm female to 2.4mm male connectors. The assemblies are supplied as skew matched pairs to +/- 1 ps over the frequency range DC to 50 GHz. The assembly length is 24 inches and typical insertion loss at 50 GHz is 2.4 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 Female	
Connector 2	2.4mm Male	
Coax Cable	Flexible, low loss	
Cable Type	130F	
Coax Diameter	0.14	
Minimum Bend Radius	0.7	
Length	24.0	
Operating Temprature	-55.0 to 125.0 °C	
RoHS Compliance	Yes	

Product Notes

Mating cylecs > 500.

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sales@p1dB.com

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Temp range -55 to +125 deg C.

Bend radius is 0.7 inch (18mm).

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