

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 Temperature | -55.0 to 125.0 °C | |
| RoHS Compliance | Yes | |

Product Notes

Mating cycles > 500.

Temp range -55 to +125 deg C.

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Bend radius is 0.7 inch (18mm).