

P1CA-24M24M-085CJ-4

2.4mm Male to 2.4mm Male RF flex cable using Flexiform 085 hand formable cable, 4 inches long, Operating to 50 GHz.

Product Features

P1dB's RF cable assembly P1CA-24M24M-085CJ-4 is a 50 Ohm hand formable cable 4 inches long with an outer diameter of 0.104 inch. It has 2.4 mm male connectors and operates to 50 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 1.95 dB/ft at 50 GHz.

P1CA-24M24M-085CJ-4 is a hand formable high frequency cable assembly with good phase and amplitude stability for general purpose test applications.



Electrical Specification: T_{Ambient} = 25° C

| Parameter | Frequency Range | Units | Min | Typical | Max | Notes |
|-------------------------|-----------------|--------|-----|---------|------|-------|
| Frequency Range | | GHz | DC | | 50.0 | |
| 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 50.0 | | | | 1.45 | |
| Insertion Loss | DC to 1.0 | dB/ft. | | | 0.2 | |
| | 1.0 to 18.0 | | | | 1.3 | |
| | 18.0 to 30.0 | | | | 1.5 | |
| | 30.0 to 50.0 | | | | 1.95 | |
| Velocity Of Propagation | | % | | 70.0 | | |

Mechanical And Environmental Specifications:

| Parameter | Description | Notes | | | |
|--------------------------|------------------------------|-------|--|--|--|
| Connector 1 | 2.4mm Male | | | | |
| Connector 1 Coupling Nut | Passivated Stainless Steel | | | | |
| Connector 1 Body | Passivated Stainless Steel | | | | |
| Connector 1 Contact | Gold Plated Beryllium Copper | | | | |
| Connector 2 | 2.4mm Male | | | | |
| Connector 2 Coupling Nut | Passivated Stainless Steel | | | | |
| Connector 2 Body | Passivated Stainless Steel | | | | |
| Connector 2 Contact | Gold Plated Beryllium Copper | | | | |
| Coax Cable | Hand Formable | | | | |
| 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 | 4.0 | | | | |

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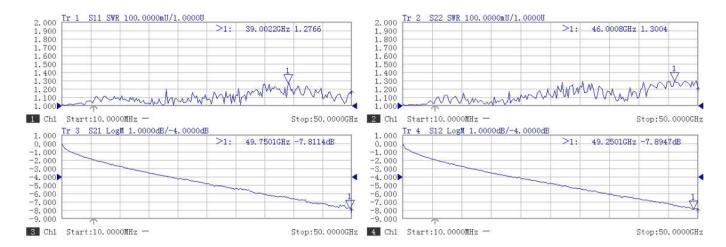


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| Parameter | Description | Notes |
|----------------------|-------------------|-------|
| Operating Temprature | -55.0 to 125.0 °C | |
| RoHS Compliance | Yes | |

Graph



Product Notes