

**Product Features**

P1dB's RF cable assembly P1CA-24M24M-085CJ-3 is a 50 Ohm hand formable cable 3 inches long with an outer diameter of 0.104 inch. It has 2.4 mm male connectors and operates to 50 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%. Typical Insertion Loss measures 1.2 dB/ft at 18 GHz and 1.95 dB/ft at 50 GHz.

P1CA-24M24M-085CJ-3 is a hand formable high frequency cable assembly with good phase and amplitude stability for general purpose test applications.



**Electrical Specification: T<sub>Ambient</sub> = 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    |      |       |

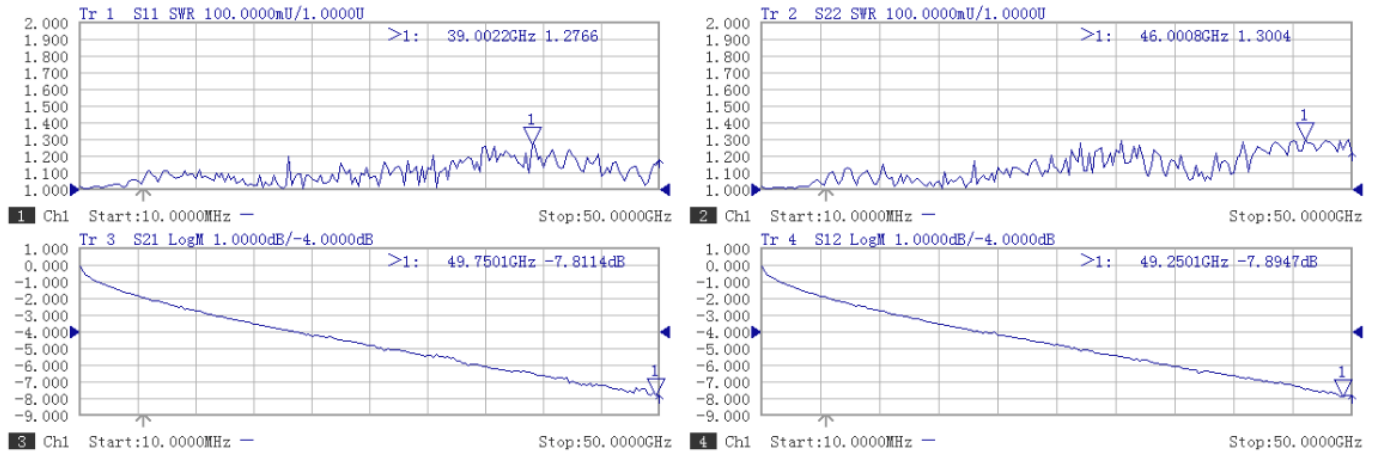
**Mechanical And Environmental Specifications:**

| 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                   | 3.0                          |       |

2.4mm Male to 2.4mm Male RF flex cable using Flexiform 085 hand formable cable, 3 inches long, Operating to 50 GHz.

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

**Graph**



**Product Notes**