

Product Features

P1dB's RF cable assembly P1CA-29M29M-085CJ-12 is a 50 Ohm hand formable cable 12 inches long with an outer diameter of 0.104 inch. It has 2.92mm male connectors and operates to 40 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 1.8 dB/ft at 40 GHz.

P1CA-29M29M-085CJ-12 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 | | 40.0 | |
| VSWR | DC to 1.0 | 1: | | | 1.2 | |
| | 1.0 to 18.0 | | | | 1.25 | |
| | 18.0 to 30.0 | | | | 1.35 | |
| | 30.0 to 40.0 | | | | 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 40.0 | | | | 1.8 | |
| Velocity Of Propagation | | % | | 70.0 | | |

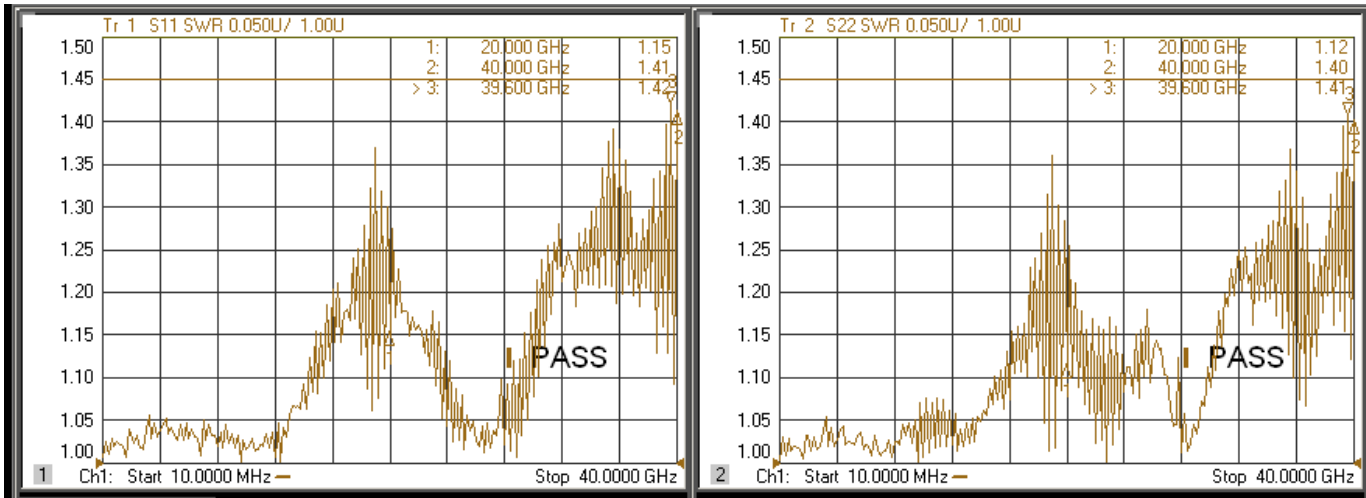
Mechanical And Environmental Specifications:

| Parameter | Description | Notes |
|--------------------------|------------------------------|-------|
| Connector 1 | 2.92mm Male | |
| Connector 1 Coupling Nut | Passivated Stainless Steel | |
| Connector 1 Body | Passivated Stainless Steel | |
| Connector 1 Contact | Gold Plated Beryllium Copper | |
| Connector 2 | 2.92mm 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 | 12.0 | |

2.92mm Male to 2.92mm Male RF flex cable using Flexiform 085 hand formable cable,
12 inches long, Operating to 40 GHz.

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

Graph



Product Notes