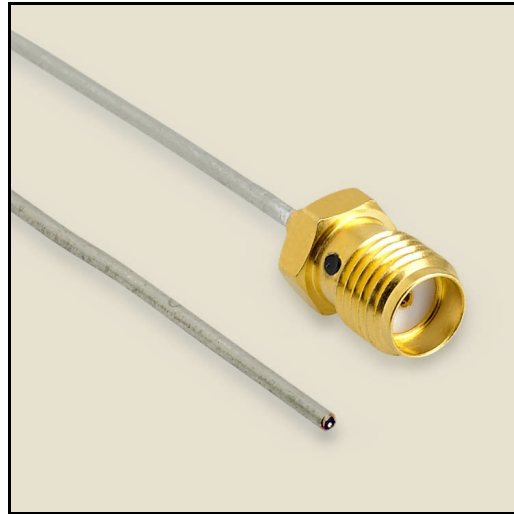


Product Features

P1CA-SAFPT-047SR-8 is an RF Test Probe that is part of P1dB's semi-rigid, conformable, jacketed conformable and flexible Pigtail assembly series. It is a 8 inch SMA Female to a Pigtail Semi-Rigid cable assembly that utilizes 047SR conformable coax with a diameter of 0.047 inches. The Pigtail cable assembly operates to 6 GHz and is a popular solution for in-circuit RF probe testing.



Electrical Specification: T_{Ambient} = 25° C

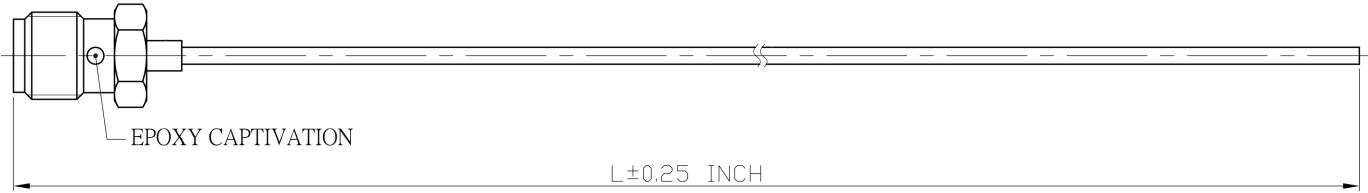
| Parameter | Frequency Range | Units | Min | Typical | Max | Notes |
|-------------------------|-----------------|--------|-----|---------|------|-------|
| Frequency Range | | GHz | DC | | 6.0 | |
| Insertion Loss | DC to 1.0 | dB/ft. | | | 0.34 | |
| | 1.0 to 3.0 | | | | 0.58 | |
| | 3.0 to 5.0 | | | | 0.79 | |
| Velocity Of Propagation | | % | | 70.0 | | |

Mechanical And Environmental Specifications:

| Parameter | Description | Notes |
|--------------------------|------------------------------|-------|
| Connector 1 | SMA Female | |
| Connector 1 Coupling Nut | None | |
| Connector 1 Body | Gold Plated Brass | |
| Connector 1 Contact | Gold Plated Beryllium Copper | |
| Connector 2 | Pigtail - No Connector | |
| Coax Cable | Semi-Rigid | |
| Cable Type | 047SR | |
| Cable Inner Conductor | SPCW | |
| Dielectric | PTFE | |
| Shield | 1. Tinned Copper | |
| Jacket | None | |
| Coax Diameter | 0.047 | |
| Minimum Bend Radius | 0.05 | |
| Length | 8.0 | |
| Operating Temperature | -55.0 to 150.0 °C | |
| RoHS Compliance | Yes | |

Drawing

SMA Female to Pigtail (no connector) cable assembly using 047SR Semi-Rigid Coax, 8 inches long, Operating to 6 GHz.



Product Notes