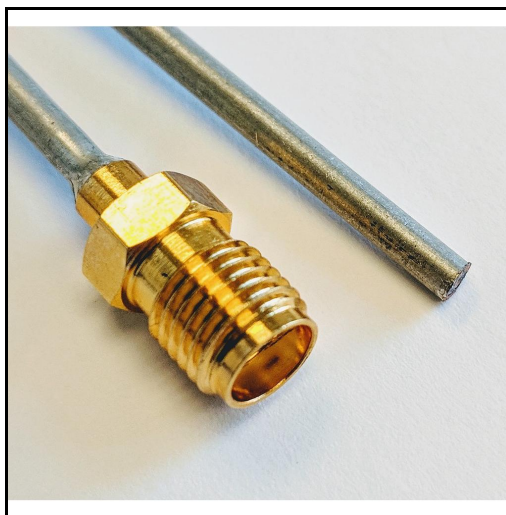


## Product Features

P1CA-SAFPT-085SR-2 is an RF Test Probe that is part of P1dB's semi-rigid, conformable, jacketed conformable and flexible Pigtail assembly series. It is a 2 inch SMA Female to a Pigtail Semi-Rigid cable assembly, .085 inch semi-rigid cable. The Pigtail cable assembly operates to 6 GHz and is a popular solution for in-circuit RF probe testing.



## Electrical Specification: T<sub>Ambient</sub> = 25° C

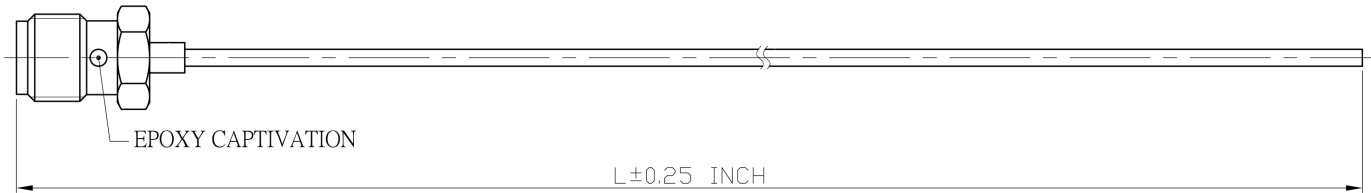
| Parameter               | Frequency Range | Units  | Min | Typical | Max  | Notes |
|-------------------------|-----------------|--------|-----|---------|------|-------|
| Frequency Range         |                 | GHz    | DC  |         | 6.0  |       |
| Insertion Loss          | DC to 1.0       | dB/ft. |     |         | 0.2  |       |
|                         | 1.0 to 3.0      |        |     |         | 0.35 |       |
|                         | 3.0 to 6.0      |        |     |         | 0.46 |       |
| 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               | 085SR                        |       |
| Cable Inner Conductor    | SPCW                         |       |
| Dielectric               | PTFE                         |       |
| Shield                   | 1. Tinned Copper             |       |
| Jacket                   | None                         |       |
| Coax Diameter            | 0.085                        |       |
| Length                   | 2.0                          |       |
| Operating Temperature    | -55.0 to 125.0 °C            |       |
| RoHS Compliance          | Yes                          |       |

## Drawing

SMA Female to Pigtail (no connector) cable assembly using 085SR Semi-Rigid Coax, 2 inches long, Operating to 6 GHz.



**Product Notes**