

## P1CA-SAMSAM-141CC-18

SMA Male to SMA Male cable assembly using 141CC Conformable Coax, 18 inches long, Operating to 26.5 GHz.

#### **Product Features**

P1CA-SAMSAM-141CC-18 is an RF Cable that is part of P1dB's YouForm™ conformable cable assembly series. It is a 18 inch SMA Male to SMA Male Conformable cable assembly that utilizes 141CC conformable coax with a diameter of 0.141 inches. The RF cable assembly operates to 26.5 GHz with a max VSWR of 1.35:1. YouForm™ cables are conformable and jacketed conformable versions 085 and 141 semi-rigid coax cables and meet RG402 and RG405 dimensional and electrical specifications. YouForm™ cable assemblies can operate up to 26.5 GHz, depending on the configuration. The advantage of YouForm™ conformable cables over semi-rigid are their ability to be formed by hand multiple times, while semi-rigid cables can be formed only once with special bending tools.



## **Electrical Specification: T** Ambient = 25° C

| Parameter               | Frequency Range | Units  | Min | Typical | Max  | Notes |
|-------------------------|-----------------|--------|-----|---------|------|-------|
| Frequency Range         |                 | GHz    | DC  |         | 26.5 |       |
| VSWR                    | DC to 1.0       | 1:     |     |         | 1.1  |       |
|                         | 1.0 to 5.0      |        |     |         | 1.1  |       |
|                         | 5.0 to 10.0     |        |     |         | 1.15 |       |
|                         | 10.0 to 26.5    |        |     |         | 1.35 |       |
| Insertion Loss          | DC to 1.0       | dB/ft. |     |         | 0.2  |       |
|                         | 1.0 to 5.0      |        |     |         | 0.51 |       |
|                         | 5.0 to 10.0     |        |     |         | 0.65 |       |
|                         | 10.0 to 26.5    |        |     |         | 1.1  |       |
| Velocity Of Propagation |                 | %      |     | 70.0    |      |       |

#### **Mechanical And Environmental Specifications:**

| Parameter                  | Description                | Notes |  |
|----------------------------|----------------------------|-------|--|
| Connector 1                | SMA Male                   |       |  |
| Connector 1 Coupling Nut   | Passivated Stainless Steel |       |  |
| Connector 1 Body           | Gold Plated Brass          |       |  |
| Connector 1 Contact        | Gold Plated Brass          |       |  |
| Connector 2                | SMA Male                   |       |  |
| Connector 2 Coupling Nut   | Passivated Stainless Steel |       |  |
| Connector 2 Body           | Gold Plated Brass          |       |  |
| Connector 2 Contact        | Gold Plated Brass          |       |  |
| Coax Cable                 | Conformable                |       |  |
| Cable Type                 | 141CC                      |       |  |
| Cable Inner Conductor SPCW |                            |       |  |
| Dielectric                 | PTFE                       |       |  |
| Shield                     | 1. Tinned Cu/Sn Braid      |       |  |
| Jacket                     | FEP                        |       |  |
| Coax Diameter              | 0.141                      |       |  |

P1dB, Inc.

188 Martinvale Lane, San Jose, CA 95119

+1(408)613-4857

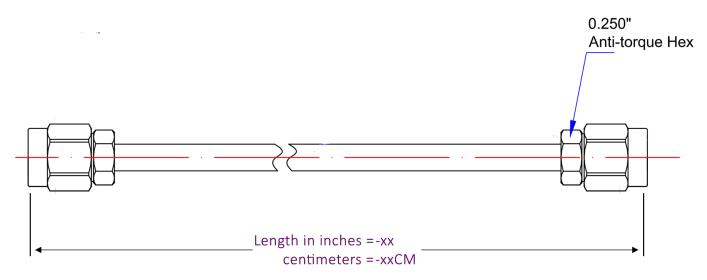


# P1CA-SAMSAM-141CC-18

SMA Male to SMA Male cable assembly using 141CC Conformable Coax, 18 inches long, Operating to 26.5 GHz.

| Parameter            | Description       | Notes |
|----------------------|-------------------|-------|
| Minimum Bend Radius  | 0.38              |       |
| Length               | 18.0              |       |
| Operating Temprature | -55.0 to 125.0 °C |       |
| RoHS Compliance      | Yes               |       |

## **Drawing**



### **Product Notes**