

Product Features

P1CA-SAMSAM-RD316-9 is a cable that is part of P1dB's RG series flex cable assemblies. It is a 9 inch SMA Male to SMA Male cable assembly that utilizes RD316 Double-Shielded RG Type Flex coax, which is 0.114 inches in diameter. This Double-Shielded RG Type Flex cable operates to 6 GHz with a max VSWR of 1.35:1.



Electrical Specification: T_{Ambient} = 25° C

| Parameter | Frequency Range | Units | Min | Typical | Max | Notes |
|-------------------------|-----------------|--------|-----|---------|------|-------|
| Frequency Range | | GHz | DC | | 6.0 | |
| VSWR | DC to 0.4 | 1: | | | 1.2 | |
| | 0.4 to 1.0 | | | | 1.25 | |
| | 1.0 to 2.4 | | | | 1.3 | |
| | 2.4 to 0.5 | | | | 1.35 | |
| Insertion Loss | DC to 0.4 | dB/ft. | | | 0.18 | |
| | 0.4 to 1.0 | | | | 0.31 | |
| | 1.0 to 2.4 | | | | 0.49 | |
| | 2.4 to 0.5 | | | | 0.67 | |
| Velocity Of Propagation | | % | | 69.5 | | |

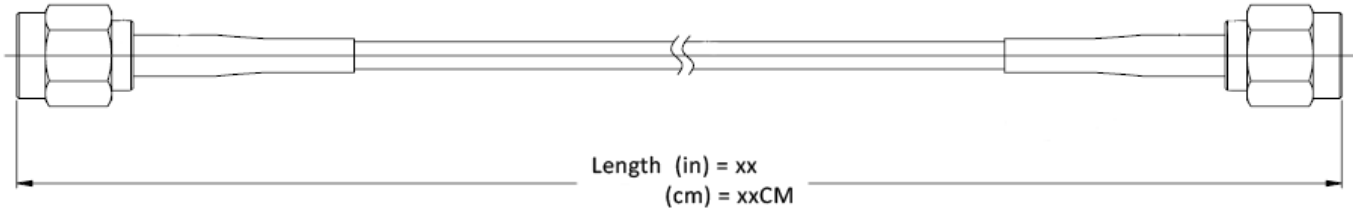
Mechanical And Environmental Specifications:

| Parameter | Description | Notes |
|--------------------------|------------------------------|-------|
| Connector 1 | SMA Male | |
| Connector 1 Coupling Nut | Gold Plated Brass | |
| Connector 1 Body | Gold Plated Brass | |
| Connector 1 Contact | Gold Plated Brass | |
| Connector 2 | SMA Male | |
| Connector 2 Coupling Nut | Gold Plated Brass | |
| Connector 2 Body | Gold Plated Brass | |
| Connector 2 Contact | Gold Plated Brass | |
| Coax Cable | Double-Shielded RG Type Flex | |
| Cable Type | RD316 | |
| Cable Inner Conductor | 7/.0067 SPCW | |
| Dielectric | PTFE | |
| Shield | 1. SPC Braid | |
| | 2. SPC Braid | |
| Jacket | FEP | |
| Coax Diameter | 0.114 | |
| Minimum Bend Radius | 0.6 | |

SMA Male to SMA Male cable using RD316 Double-Shielded RG Type Flex Coax, 9 inches long, and Operating to 6 GHz.

| Parameter | Description | Notes |
|-----------------------|-------------------|-------|
| Length | 9.0 | |
| Operating Temperature | -55.0 to 200.0 °C | |
| RoHS Compliance | Yes | |

Drawing



Product Notes