# P1CA-SAMSAM-F140-36-PM-1PS-SET4

RF flexible cable assembly, SMA Male to SMA Male, 0.140 inch flexible coaxial cable, 36 inch. Supplied as a skew matched set of 4 cables. Time delay +/- 1 ps max from DC to 10 GHz. S parameter data included. Price is per set (4 cables).

**Product Features**

RF flexible cable assembly, SMA Male to SMA Male, 0.140 inch flexible coaxial cable, 36 inch.

Supplied as a skew matched set of 4 cables.

Time delay +/- 1 ps max from DC to 10 GHz.

Insertion Loss 1.70 dB max, VSWR 1.20 max.

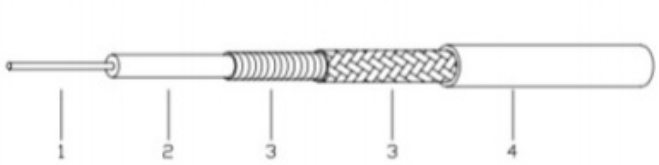
S parameter data included. Price is per set (4 cables).



**Mechanical And Environmental Specifications:**

| Parameter | Description | Notes |
|---|---|---|
| Connector 1 | SMA Male | |
| Connector 2 | SMA Male | |
| Length | 36.0 | |
| RoHS Compliance | Yes | |

**Drawing**




**Graph**

**P1dB, Inc.** 188 Martinvale Lane, San Jose, CA 95119 +1(408)613-4857

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| | Material | Diameter | |
|---|---|---|---|
| | | mm | inch |
| 1. Inner Conductor | Silver Plated Copper | 0.91 | 0.036 |
| 2. Dielectric | LD PTFE | 2.50 | 0.098 |
| 3. Outer Conductor | Sprial Wrapped Silver Plated Copper Tape+Silver Plted Copper Braid | 3.06 | 0.120 |
| 4. Jacket | Gray FEP | 3.60 | 0.142 |

**Attenuation & Average Power @ 25℃ and Seal Leavel**

| Frequency(GHz) | Attenuation | | Power(Watts CW) |
|---|---|---|---|
| | dB/100 m | dB/100 Ft | |
| 0.5 | 26.4 | 8.05 | 726 |
| 1.0 | 37.50 | 11.43 | 511 |
| 3.0 | 65.65 | 20.02 | 292 |
| 5.0 | 85.37 | 26.03 | 225 |
| 10.0 | 122.35 | 37.30 | 157 |

**Electrical Characteristics**

| | | |
|---|---|---|
| Impedance | 50 Ohms | |
| Capacitance | 80 pF/m | 24.5 pF/Ft |
| Inductance | 0.31 uH/m | 0.095 uH/Ft |
| Time Delay | 4.02 nS/m | 1.22 nS/Ft |
| Velocity of Propagation | 83% | |
| Shielding Effectivene | >90 dB | |
| Cut-off Frequency | 46 GHz | |
| Dielectric withstanding voltage | 1000 VRMS | |
| Peak Power Rating | 2.5 KW | |

**Product Notes**

Bend radius: 0.7 inch (18mm).

Temp range -55 to +125 deg C.

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