# P1CA-STMTMF-ST085-24

SMA Male to SMPM Female cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 24 inches long, Operating to 18 GHz.

**Product Features**



**Electrical Specification: $T_{Ambient}$ = 25° C**

| Parameter | Frequency Range | Units | Min | Typical | Max | Notes |
|---|---|---|---|---|---|---|
| Frequency Range | | GHz | DC | | 18.0 | |
| VSWR | DC to 1.0 | 1: | | | 1.15 | |
| | 1.0 to 5.0 | | | | 1.2 | |
| | 5.0 to 10.0 | | | | 1.25 | |
| | 10.0 to 18.0 | | | | 1.35 | |
| Insertion Loss | DC to 1.0 | dB/ft. | | | 0.21 | |
| | 1.0 to 5.0 | | | | 0.51 | |
| | 5.0 to 10.0 | | | | 0.75 | |
| | 10.0 to 18.0 | | | | 1.04 | |
| 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 | Passivated Stainless Steel | |
| Connector 1 Contact | Gold Plated Brass | |
| Connector 2 | SMPM Female | |

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

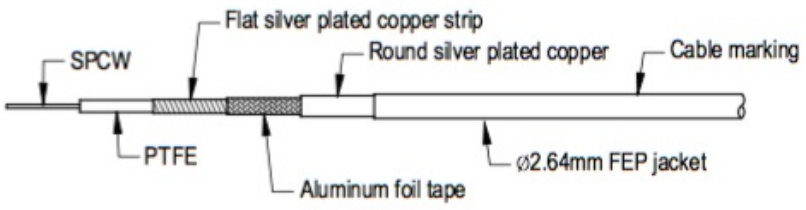
sales@p1dB.com

# P1CA-STMTMF-ST085-24

SMA Male to SMPM Female cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 24 inches long, Operating to 18 GHz.

| Parameter | Description | Notes |
|---|---|---|
| Connector 2 Coupling Nut | None | |
| Connector 2 Body | Gold Plated Beryllium Copper | |
| Connector 2 Contact | Gold Plated Beryllium Copper | |
| Coax Cable | Tight-Flex, Triple Shielded | |
| Cable Type | ST085 | |
| Cable Inner Conductor | SPCW | |
| Dielectric | PTFE | |
| Shield | 1. SPC Tape, Aluminum Tape, SPC Braid | |
| Jacket | FEP | |
| Coax Diameter | 0.104 | |
| Minimum Bend Radius | 0.2 | |
| Length | 24.0 | |
| Operating Temprature | -55.0 to 200.0 °C | |
| RoHS Compliance | Yes | |

**Drawing**



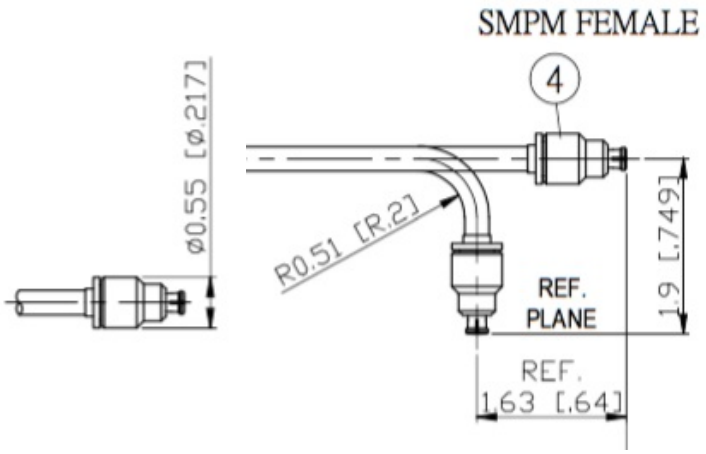

**Graph**

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

sales@p1dB.com

# P1CA-STMTMF-ST085-24

SMA Male to SMPM Female cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 24 inches long, Operating to 18 GHz.




**Product Notes**