

## Product Features

P1-MMCXP/SMAP-RG316-8 is an SMA Male to MMCX Plug straight, RG-316 Flex Coax, 8 inches long, and Operating to 6 GHz.



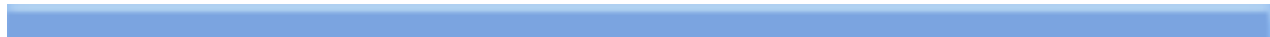
## Electrical Specification: T<sub>Ambient</sub> = 25° C

| 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 5.0      |        |     |         | 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 5.0      |        |     |         | 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              | BNC Female Bulkhead                |       |
| Connector 2 Coupling Nut | Tin-Zinc-Copper-Alloy Plated Brass |       |
| Connector 2 Body         | Tin-Zinc-Copper-Alloy Plated Brass |       |
| Connector 2 Contact      | Gold Plated Brass                  |       |
| Coax Cable               | RG Type Flex                       |       |
| Cable Type               | RG-316                             |       |
| Cable Inner Conductor    | 7/.0067 SPCW                       |       |
| Dielectric               | PTFE                               |       |
| Shield                   | 1. SPC Braid                       |       |
| Jacket                   | FEP                                |       |
| Coax Diameter            | 0.098                              |       |
| Minimum Bend Radius      | 0.5                                |       |
| Length                   | 8.0                                |       |

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

**Product Notes**