



## Precision QD SMA Male to SMA Female Adapter

### TECHNICAL DATA SHEET

PE9774

#### Precision QD SMA Male to SMA Female Adapter

##### Configuration

|                |            |
|----------------|------------|
| Connector 1    | SMA Male   |
| Impedance 1    | 50 Ohms    |
| Connector 2    | SMA Female |
| Impedance 2    | 50 Ohms    |
| Adapter Design | Precision  |
| Body Style     | Straight   |

##### Electrical Specifications

|                                       |          |
|---------------------------------------|----------|
| Frequency Range, GHz                  | DC to 18 |
| Maximum VSWR                          | 1.14:1   |
| Maximum Operating Voltage, Volts      | 500      |
| Dielectric Withstanding Voltage, Vrms | 1,500    |

##### Frequency 1

|                    |         |
|--------------------|---------|
| Frequency, GHz     | DC to 6 |
| Insertion Loss, dB | 0.15    |

##### Mechanical Specifications

###### Size

|                     |               |
|---------------------|---------------|
| Length, in [mm]     | 1.075 [27.31] |
| Width/Dia., in [mm] | 0.505 [12.83] |

##### Connector 1

|                                       |                          |
|---------------------------------------|--------------------------|
| Type                                  | SMA Male                 |
| Mating Cycles                         | 1,000                    |
| Inner Conductor Material and Plating  | Beryllium Copper, Gold   |
| Inner Conductor Plating Specification | 5µ in. minimum           |
| Coupling Nut Material and Plating     | Beryllium Copper, Nickel |
| Coupling Nut Plating Specification    | 10µ in. minimum          |
| Body Material and Plating             | Brass, Nickel            |
| Body Plating Specification            | 5µ in. minimum           |
| Dielectric Type                       | Teflon                   |

##### Connector 2

|                                       |                        |
|---------------------------------------|------------------------|
| Type                                  | SMA Female             |
| Inner Conductor Material and Plating  | Beryllium Copper, Gold |
| Inner Conductor Plating Specification | 5µ in. minimum         |
| Body Material and Plating             | Brass, Gold            |
| Body Plating Specification            | 1µ in. minimum         |
| Dielectric Type                       | Teflon                 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision QD SMA Male to SMA Female Adapter PE9774](#)

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

Precision QD SMA Male to SMA Female Adapter



TECHNICAL DATA SHEET

PE9774

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

Yes

**Plotted and Other Data**

Notes:

Values at 25 °C, sea level

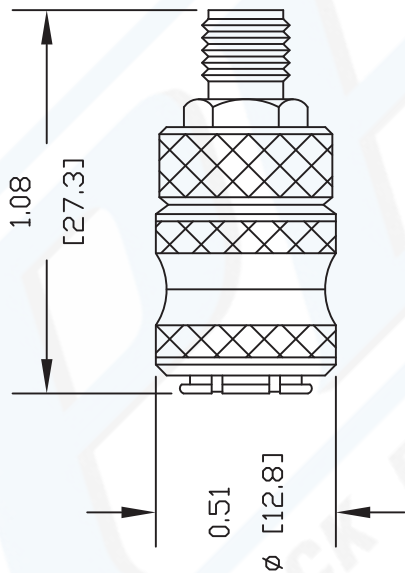
URL: <http://www.pasternack.com/sma-male-sma-female-straight-adapter-pe9774-p.aspx>

Precision QD SMA Male to SMA Female Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.

PE9774 CAD Drawing

Precision QD SMA Male to SMA Female Adapter



NOTES:  
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE  
**PE9774**

PASTERNAK ENTERPRISES, INC.  
P.O. BOX 16759, IRVINE, CA 92623  
PHONE (949) 261-1920 FAX (949) 261-7451  
WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
COAXIAL & FIBER OPTICS



127

SIZE A

SCALE N/A

CAD FILE 091206

FSCM NO. 53919

REV. -