



## Precision SMA Male to ZMA Jack Adapter 4 Lug

### TECHNICAL DATA SHEET

**PE91079**

#### Precision SMA Male to ZMA Jack Adapter 4 Lug

Pasternack's ZMA Adapters use a clocked bayonet-style mating method suitable for applications requiring robust mechanical connections, such as high vibration and high coupling force environments. This line of ZMA adapters is designed for limited space applications requiring superb RF performance up to 18GHz and offer VSWR as low as 1.15:1. ZMA's 3-Lug or 4-Lug designs can be mated by hand with one-third or one-quarter turn, respectively -no special tooling is required.

- Available in 18 GHz SMA-ZMA Configurations
- 3-Lug or 4-Lug Options Available
- Passivated Stainless Steel Bodies with Gold Plated Center Contacts
- VSWR as low as 1.15
- Bayonet Style Interface decreases mechanical deterioration in heavy-use test environments

#### Configuration

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

#### Electrical Specifications

|                            |          |
|----------------------------|----------|
| Frequency Range, GHz       | DC to 18 |
| Maximum VSWR               | 1.15:1   |
| Maximum Insertion Loss, dB | 0.21     |

#### Mechanical Specifications

##### Temperature

|                        |             |
|------------------------|-------------|
| Operating Range, deg C | -55 to +100 |
|------------------------|-------------|

##### Size

|                 |               |
|-----------------|---------------|
| Length, in [mm] | 0.849 [21.56] |
|-----------------|---------------|

#### Connector 1

|                                       |                            |
|---------------------------------------|----------------------------|
| Type                                  | SMA Male                   |
| Inner Conductor Material and Plating  | Beryllium Copper, Gold     |
| Inner Conductor Plating Specification | MIL-G-45204                |
| Coupling Nut Material and Plating     | Passivated Stainless Steel |
| Coupling Nut Plating Specification    | ASTM A380                  |
| Body Material and Plating             | Passivated Stainless Steel |
| Body Plating Specification            | ASTM A380                  |
| Dielectric Type                       | PTFE                       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Precision SMA Male to ZMA Jack Adapter 4 Lug PE91079](#)

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.



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#### Connector 2

##### Type

ZMA Jack

##### Inner Conductor Material and Plating

Beryllium Copper, Gold

##### Inner Conductor Plating Specification

MIL-G-45204

##### Outer Conductor Material and Plating

Passivated Stainless Steel

##### Outer Conductor Plating Specification

ASTM A830

##### Body Material and Plating

Passivated Stainless Steel

##### Body Plating Specification

ASTM A830

##### Dielectric Type

PTFE

#### 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

Precision SMA Male to ZMA Jack Adapter 4 Lug 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.

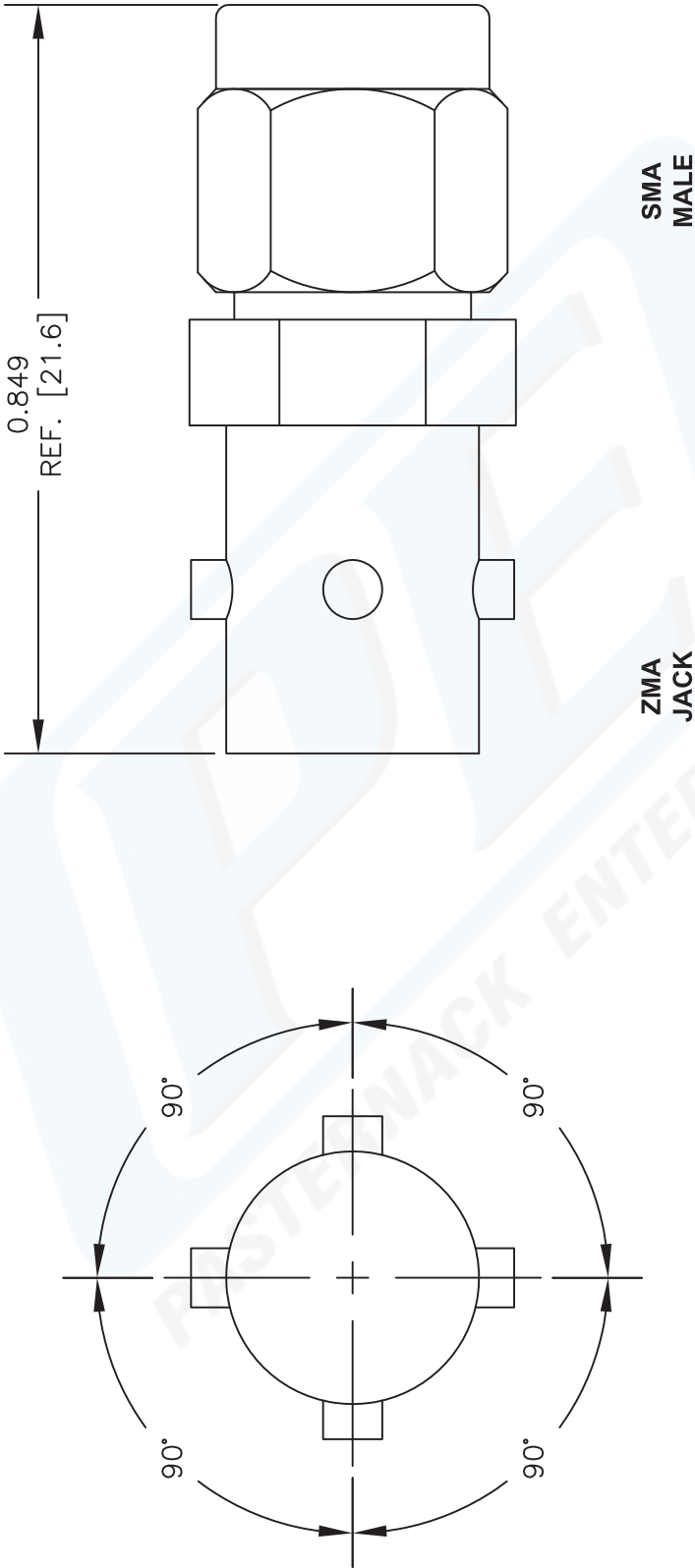
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PE91079 CAD Drawing

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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  
**PE91079**

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 092013