

BMA Jack Slide-On Hermetically Sealed Thread-In Mount



PE45354

Configuration

- Slide-On BMA Jack Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: Pin
- Thread-In

Features

- Max. Operating Frequency 22 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact
- 51.18µ in. minimum contact plating
- Blind Mate Connector
- Hermetically Sealed
- IP68

Applications

- General Purpose Test

Description

Pasternack's PE45354 , BMA , connector with Pin terminal is part of our full line of RF components available for same-day shipping. Our BMA jack connector operates up to a maximum frequency of 22 GHz and offers excellent VSWR of 1.25:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. The connector has an IP68 rating to protect against dust and prolonged moisture protection under immersion conditions.

Our BMA jack thread-in connector PE45354 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

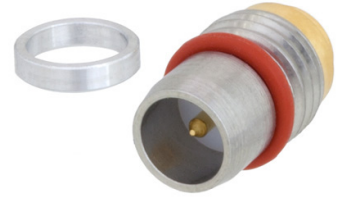
Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		22	GHz
VSWR			1.25:1	
Insertion Loss			0.32	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.47 in [11.94 mm]
Width	0.25 in [6.35 mm]
Weight	0.004 lbs [1.81 g]
Mating Cycles	1,000 Cycles

BMA Jack Slide-On Hermetically Sealed Thread-In Mount



PE45354

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 51.18μ in. minimum
Insulation	PTFE	
Body	Passivated Stainless Steel	
Gasket	Silicone Rubber	

Mechanical Specification Notes:
10⁻⁸ ATM.cm3s

Environmental Specifications

Temperature	
Operating Range	-65 to +125 deg C
Ingress Protection (IP) Rating	IP68
Hermetic Seal	1E-8 atm. cm ³ /s (Helium)

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

BMA Jack Slide-On Hermetically Sealed Thread-In Mount from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

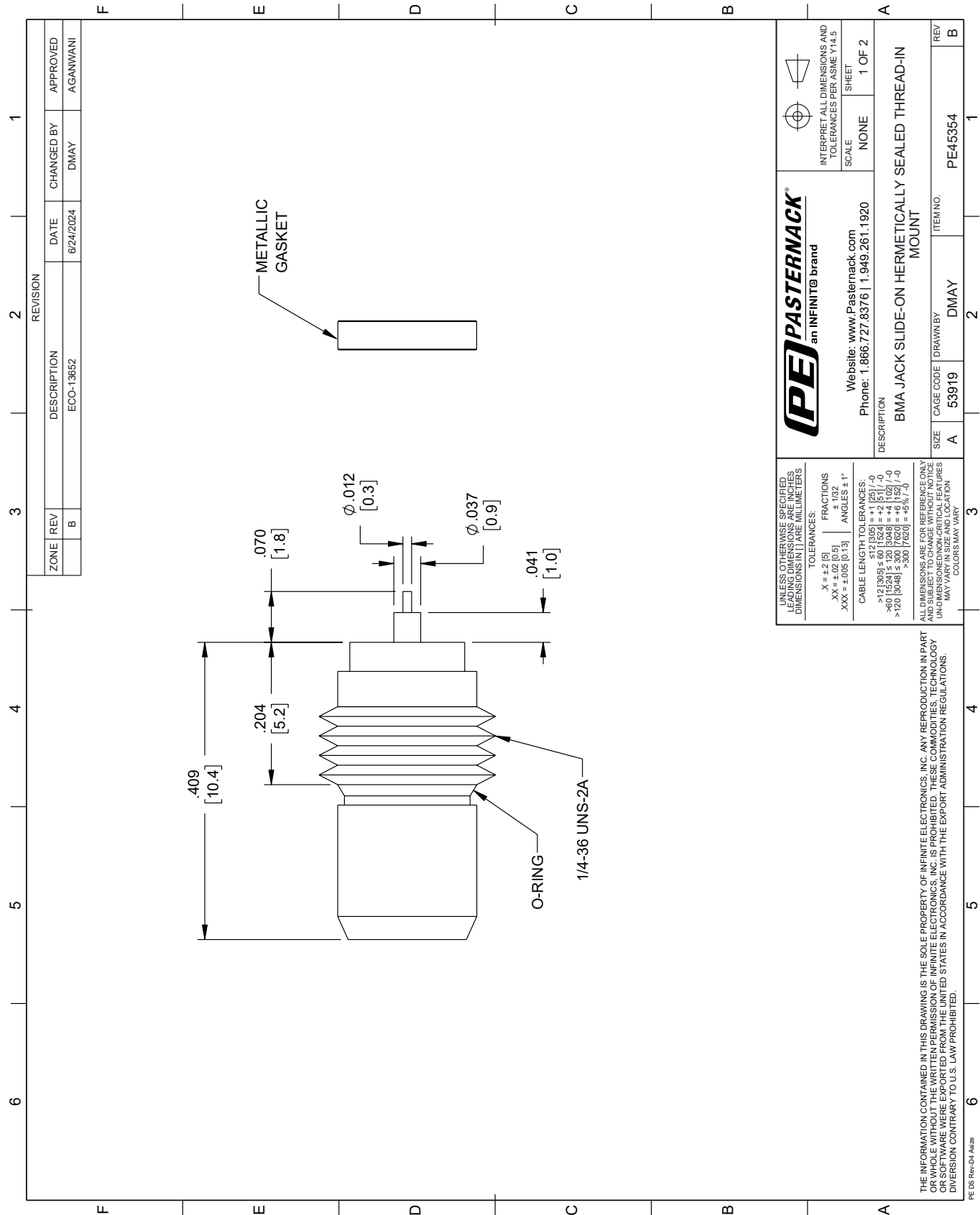
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BMA Jack Slide-On Hermetically Sealed Thread-In Mount PE45354](#)

URL: <https://www.pasternack.com/bma-jack-slide-on-connector-pe45354-p.aspx>

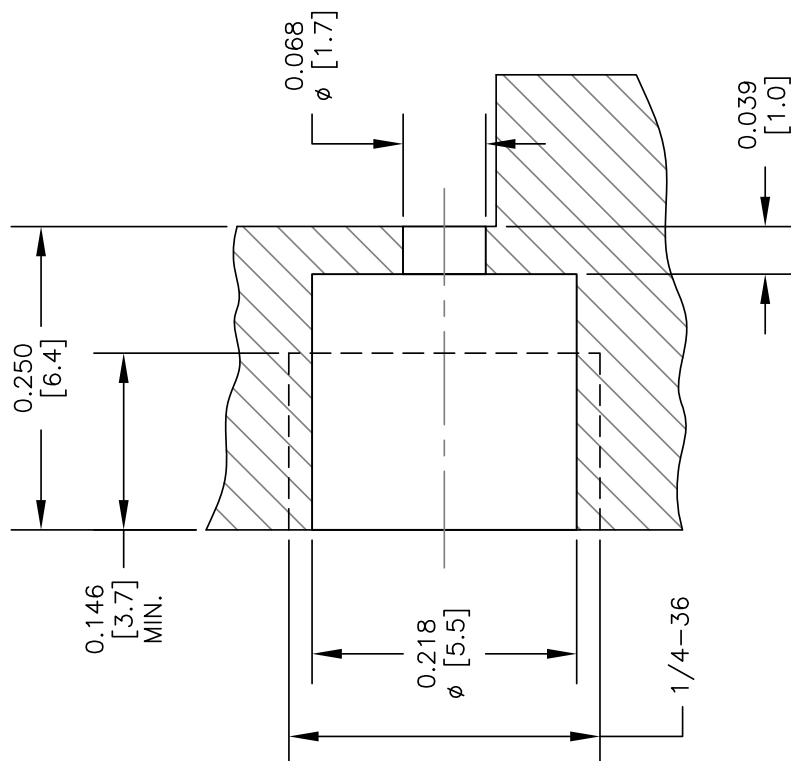
The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE45354 CAD Drawing

BMA Jack Slide-On Hermetically Sealed Thread-In Mount



BMA Jack Slide-On Hermetically Sealed Thread-In Mount



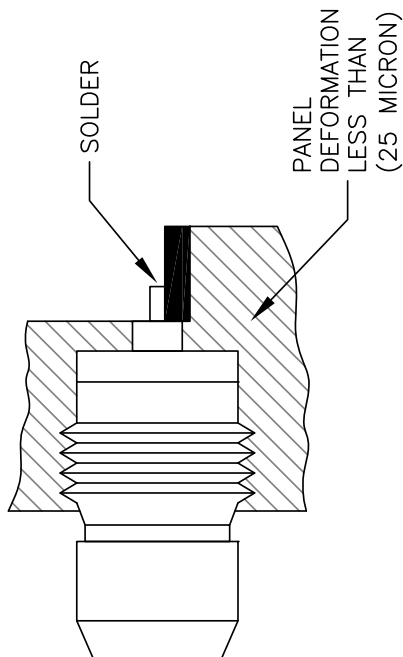
PANEL DRILLING

STANDARD TOLERANCES	
.X	± 0.2
.XX	± 0.1
.XXX	± 0.05

***STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES**

MOUNTING PROCEDURE

1. Assemble metal gasket onto connector.
 2. Tighten the connector up to 280 Ncm torque (24.78 Lbs. In)
 3. Thus the connection hermeticity is guaranteed at 1 . 10-5 atm.cm3/sec.
- Then solder the pin.



DWG TITLE

PE45354

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].

CAGE CODE 53919

2233



PERNIX
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | **Fax:** (949) 261-7451

Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com