

BMA Male Connector, Slide-On Hermetically Sealed, Commercial Grade

PE51763



Configuration

- Slide-On BMA Male Connector
- 50 Ohms
- Straight Body Geometry
- Thread-In

Features

- Max. Operating Frequency 22 GHz
- Good VSWR of 1.3:1
- Gold Plated Beryllium Copper Contact
- Blind Mate Connector
- Hermetically Sealed

Applications

- General Purpose Test
- Phased Array Systems
- Blind Mating
- RF Backplanes
- Rack and Panel
- Base Stations
- Test I/O

Description

Pasternack's PE51763 , BMA, , connector with terminal is part of our full line of RF components available for same-day shipping. Our BMA male connector operates up to a maximum frequency of 22 GHz and offers good VSWR of 1.3:1. 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.

Our BMA male thread-in connector PE51763 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			1.3:1	
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]
Height	0.25 in [6.35 mm]
Weight	0.01 lbs [4.54 g]
Mating Cycles	1,000 Cycles

BMA Male Connector, Slide-On Hermetically Sealed, Commercial Grade



PE51763

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Stainless Steel	Gold

Environmental Specifications

Temperature

Operating Range

-65 to +125 deg C

Hermetic Seal

1E-8 atm. cm³/s (Helium)

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

Plotted and Other Data

Notes:

BMA Male Connector, Slide-On Hermetically Sealed, Commercial Grade 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 Male Connector, Slide-On Hermetically Sealed, Commercial Grade PE51763](#)

URL: <https://www.pasternack.com/bma-male-slide-on-terminal-connector-pe51763-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.

PE51763 CAD Drawing
BMA Male Connector, Slide-On Hermetically Sealed, Commercial Grade

