

Mini SMP Female Connector Compression Attachment for PECX005, PECX006



PE517819

Configuration

- Mini SMP Female Connector
- 50 Ohms
- Connector Interface Types: PECX005, PECX006

Features

- Max. Operating Frequency 40 GHz
- Good VSWR of 1.3:1
- Gold over Nickel Alloy over Copper Plated Beryllium Copper Contact
- Blind Mate Connector

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE517819 Mini SMP Female Connector Compression Attachment for PECX005 and PECX006 Cable is part of our full line of RF components available for same-day shipping. Our Mini SMP female connector operates up to a maximum frequency of 40 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 Mini SMP female connector PE517819 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		40	GHz
VSWR			1.3:1	
Insertion Loss			0.632	dB
Dielectric Withstanding Voltage (AC)			325	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes:

Engagement force: Full Detent: 3.5 lbs typical; Smooth bore: 1.5 lbs typical
 Disengagement force: Full Detent: 5.0lbs typical; Smooth bore: 1.5lbs typical
 Durability (mating): Full Detent: =100; Smooth bore: = 1000
 Contact pin captivation: = 1.5lbs

Mechanical Specifications

Size

Length 0.479 in [12.17 mm]
 Width 0.193 in [4.9 mm]

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Height	0.193 in [4.9 mm]
Weight	0.0972 lbs [44.09 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel Alloy over Copper
Contact Spring	Passivated Stainless Steel	
Insulation	PTFE	
Body	Beryllium Copper	Gold over Nickel Alloy over Copper
Retaining Ring	Passivated Stainless Steel	
Crimp Sleeve	Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

Mini SMP Female Connector Compression Attachment for PECX005, PECX006 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: [Mini SMP Female Connector Compression Attachment for PECX005, PECX006 PE517819](#)

URL: <https://www.pasternack.com/mini-smp-female-pecx005-pecx006-connector-pe517819.html>

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