

75 Ohm F Male to 75 Ohm F Female Adapter



PE91782

Configuration

- F Male Connector 1
- F Female Connector 2
- 75 Ohms Impedance
- Straight Body Geometry

Features

- Max VSWR of 1.25:1 up to 4 GHz

Applications

- Connector Saver
- General Purpose Test
- CATV

Description

Pasternack's PE91782 75 ohm type F male to type F female adapter is part of our full line of RF components available for same-day shipping. Our type F to type F adapter has a male to female gender configuration. PE91782 type F male to type F female adapter operates to 4 GHz. The Pasternack RF adapter provides excellent VSWR of 1.25:1 maximum. The PE91782 Pasternack RF adapter can also be used as a connector saver to extend equipment life.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Impedance		75		Ohms
VSWR			1.25:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	10,000			MOhms

Mechanical Specifications

Size

Length	1.35 in [34.30 mm]
Width	0.47 in [12.00 mm]
Height	0.47 in [12.00 mm]
Weight	0.03 lbs [13.61 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Mating Cycles, Min	500	

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Description	Connector 1	Connector 2
Mating Torque	15 to 20 in-lbs 1.70 to 2.26 Nm	15 to 20 in-lbs 1.70 to 2.26 Nm
Coupling Proof Torque	60 in-lbs [6.78 Nm]	60 in-lbs [6.78 Nm]

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	F Male		F Female	
Contact	Brass	Gold over Nickel	Beryllium Copper	Gold over Nickel
Insulation	PE		PTFE	
Outer Conductor	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy
Body	Brass	Copper-Tin-Zinc Alloy	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range

-40 to +80 °C

Humidity

MIL-STD-202, Method 206

Thermal Shock

MIL-STD-202, Method 107, Condition B

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

Plotted and Other Data

75 Ohm F Male to 75 Ohm F Female Adapter 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: [75 Ohm F Male to 75 Ohm F Female Adapter PE91782](#)

URL: <https://www.pasternack.com/75-ohm-f-male-to-75-ohm-f-female-adapter-pe91782-p.aspx>

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PE91782 CAD Drawing

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