

Mini SMP Female (Jack) RF Termination (Load) 0.25 Watt, DC to 40 GHz, Gold Plated Beryllium Copper



FMTR1210

Features

- DC to 40 GHz Frequency Range
- 50 Ohm Impedance
- SMPM Female Coaxial Interface
- Max VSWR 1.3:1
- Max Power 0.25 Watts (CW)

Applications

- Instrumentation
- Precision Measurements
- Prototyping Characterization
- Production Systems

Description

Fairview Microwave's FMTR1210 is an RF termination (also called RF load or dummy load) that operates from DC to 40 GHz and handles up to 0.25 Watt (CW). Our SMPM termination / load has a female gender. PE6TR1210 TNC load termination offers 1.3:1 max VSWR. RF load / terminations are indispensable components in many RF, microwave and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By using a terminator on an unused port with a matched load (dummy load), the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, circulators, and switches. They are also widely used in measurement systems to ensure accurate results. Fairview Microwave offers a huge selection of RF, microwave and millimeter wave terminations up to 65 GHz with excellent performance over the entire operating range and power handling capabilities up to 800 Watt (CW).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
VSWR, Input		1.3:1		
Input Power (CW)			0.25	Watts
From -55°C to +70°C linearly derated to 0.1W at 100°C				
Dielectric Withstanding Voltage (AC)			325	Vrms

Mechanical Specifications

Size

Length	0.394 in [10.01 mm]
Width	0.118 in [3 mm]
Height	0.118 in [3 mm]
Weight	0.3 lbs [136.08 g]
Package Type	Connectorized

Configuration

Connector	Full Detent Mini SMP Female
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Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold over Nickel
Insulation	Teflon	

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Material Specifications

Description	Material	Plating
Connector 1 Body	Beryllium Copper	Gold over Nickel

Environmental Specifications

Temperature

Operating Range

Shock

Thermal Shock

Salt Spray

-55 to +100 deg C

MIL-STD-202, Method 106

MIL-STD-202, Method 107, Condition B

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

Mini SMP Female (Jack) RF Termination (Load) 0.25 Watt, DC to 40 GHz, Gold Plated Beryllium Copper from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Mini SMP Female \(Jack\) RF Termination \(Load\) 0.25 Watt, DC to 40 GHz, Gold Plated Beryllium Copper FMTR1210](#)

URL: <https://www.fairviewmicrowave.com/rf-load-0.25-watts-40-ghz-mini-smp-female-fmtr1210-p.aspx>

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