

20 Watt RF Load Up to 26.5 GHz With SMA Male Input Black Anodize Aluminum Heatsink



PE6TR1166

Features

- DC to 26.5 GHz Frequency Range
- VSWR <1.35:1
- Max Power 20 Watt (CW)
- SMA Male Coaxial Interface

Applications

- Wireless
- SatCom
- Radar Systems
- Test and Measurement
- Commercial and Military Communications

Description

Pasternack's PE6TR1166 is an RF termination (also called RF load or dummy load) that operates from DC to 26.5 GHz and handles up to 20 Watt (CW). Our SMA termination/load has a male gender. PE6TR1166 SMA load termination offers 1.35:1 max VSWR. This Pasternack 20W SMA terminator has a heatsink body which is designed to provide adequate heat dissipation within its full frequency of operation.

RF load / termination are indispensable components in many RF, microwave and millimeter wave systems where signal reflections from unused ports can potentially damage the device or reduce the signal integrity. By using a terminator 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. Pasternack 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		26.5	GHz
Impedance		50		Ohms
VSWR, Input			1.35:1	
Input Power (CW)			20	Watts
Derated linearly to 2W @ 125°C				
Input Power (Peak)			500	Watts
5μs pulse, 2% duty cycle				

Mechanical Specifications

Size

Length	1.929 in [49 mm]
Width	0.65 in [16.51 mm]
Height	0.65 in [16.51 mm]
Weight	0.0441 lbs [20 g]
Package Type	Connectorized

Configuration

Connector	SMA Male
Connector Specification	

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Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold
Body	Brass	Nickel
Housing	Black Anodized Aluminum	

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

20 Watt RF Load Up to 26.5 GHz With SMA Male Input Black Anodize Aluminum Heatsink 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: [20 Watt RF Load Up to 26.5 GHz With SMA Male Input Black Anodized Aluminum Heatsink PE6TR1166](#)

URL: <https://www.pasternack.com/20-watts-sma-male-rf-load-26.5-ghz-pe6tr1166-p.aspx>

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PE6TR1166 CAD Drawing

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