



1 Watt RF Load With Chain Up to 26.5 GHz With SMA Male Input Passivated Stainless Steel

RF Terminations Technical Data Sheet

PE6078

Features

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

Applications

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

Description

Pasternack's PE6078 is an RF termination (also called RF load or dummy load) that operates from DC to 26.5 GHz and handles up to 1 Watt (CW). Our SMA termination / load has a male gender. PE6078 SMA load termination offers 1.35:1 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. 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			1.35:1	
Input Power (CW) derated linearly to 0W at +125°C			1	Watts
Input Power (Peak) 5µs pulse, 0.05% duty cycle			1	KWatts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 18	18 to 26.5				GHz
VSWR, Max	1.25:1	1.35:1				

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1 Watt RF Load With Chain Up to 26.5 GHz With SMA Male Input Passivated Stainless Steel PE6078](#)



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Mechanical Specifications

Size

Length	0.42 in [10.67 mm]
Width	0.315 in [8 mm]
Weight	0.013 lbs [5.9 g]

Configuration

Connector	SMA Male
Connector Specification	MIL-STD-348
Hex Size	5/16 inch

Material Specifications

Description	Material	Plating
Connector 1 Contact	Beryllium Copper	Gold
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	
Housing	Passivated Stainless Steel	
Chain	Passivated Stainless Steel	

Environmental Specifications

Temperature

Operating Range	-65 to +125 deg C
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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	
REACH Compliant	12/17/2015

Plotted and Other Data

Notes:

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PE6078

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ECIMAL	
.XX	±0.01
.XXX	±0.005

***STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES**

PE **PASTERNAK®**
THE ENGINEER'S RF SOURCE

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DWG TITLE

PE6078

FSCM NO. 53919

CAD FILE **052516**

SCALE N/A

SIZE A

3045

NOTES:

- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].