

2 Watt RF Termination 50 Ohm BNC Male, DC to 4 GHz



SMTR6156A

Features

- DC to 4 GHz Frequency Range
- Max Power 2 Watt (CW)
- BNC Male Coaxial Interface
- Max VSWR 1.2:1
- 50ohm Impedance

Applications

- Wireless
- Video Signal Transmission
- Radar Systems
- Test and Measurement
- Commercial and Military Communication
- Avionics

Description

ShowMeCables's SMTR6156A is an RF termination (also called RF load or dummy load) that operates from DC to 4 GHz and handles up to 2 Watt (CW). Our BNC termination / load has a male gender. SMTR6156A BNC load termination offers 1.2:1 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. ShowMeCables offers a huge selection of RF, microwave and millimeter wave terminations up to 18 GHz with excellent performance over the entire operating range.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Impedance		50		Ohms
VSWR, Input			1.2:1	
Input Power (CW)			2	Watts

Mechanical Specifications

Size

Length	1.1 in [27.94 mm]
Width	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.0269 lbs [12.2 g]
Package Type	Connectorized

Configuration

Connector	BNC Male
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Material Specifications

Description	Material	Plating
Connector 1 Contact	Brass	Gold
		4μ in. minimum
Insulation	PTFE	

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Material Specifications

Description	Material	Plating
Connector 1 Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -55 to +165 deg C

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

Plotted and Other Data

Notes:

FPO Show Me Cables specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

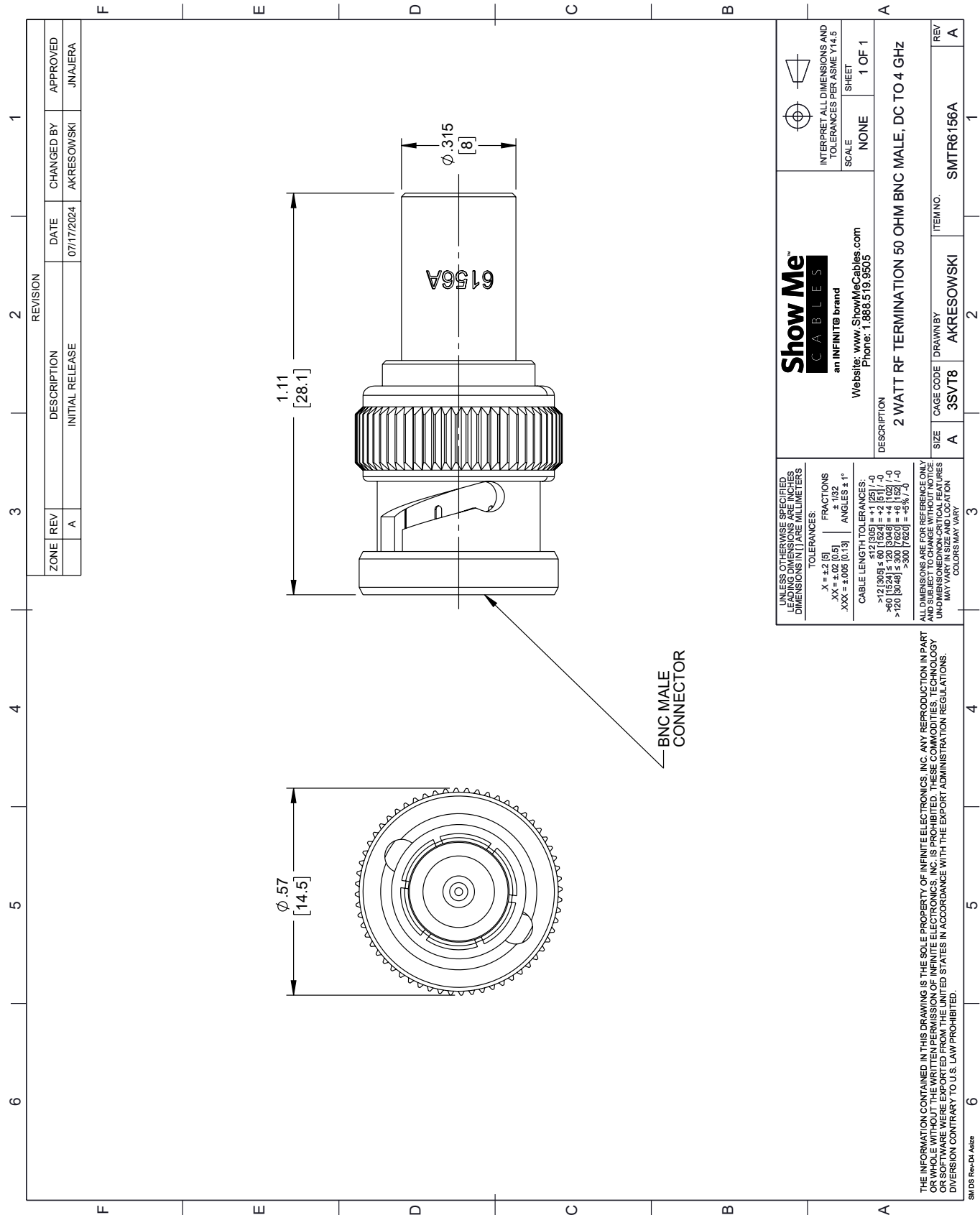
FPO Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt RF Termination 50 Ohm BNC Male, DC to 4 GHz SMTR6156A](#)

URL: <https://www.showmecables.com/showmecables-2-watt-75ohm-bnc-jack-termination-2ghz-vswr-12-p.aspx>



FPO The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Show Me Cables reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Show Me Cables does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Show Me Cables does not assume liability arising out of the use of any part or document.

SMTR6156A CAD Drawing

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REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	07/17/2024
		CHANGED BY	AKRESOWSKI
		APPROVED	JNAJERA

<div>Show Me[™]</div> <div>CABLES</div> <div>an INFINITO brand</div> <div>Website: www.ShowMeCables.com</div> <div>Phone: 1.888.519.9505</div>		  <div>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</div> <div>SCALE</div> <div>SHEET</div> <div>1 OF 1</div>	
<div>DESCRIPTION</div> <div>2 WATT RF TERMINATION 50 OHM BNC MALE, DC TO 4 GHz</div>			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	3SVT8	AKRESOWSKI	SMTR6156A
REV			
A			

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS.

TOLERANCES:

X = ±2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	

CABLE LENGTH TOLERANCES:

>12 [305] ≤ 60 [1524] = ±1 [25] / -0
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0
>120 [3048] ≤ 300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF INDIVIDUAL PARTS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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