

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



### SMTR6252C

#### Features

- DC to 4 GHz Frequency Range
- 50 Ohm Impedance
- VSWR 1.2:1 Max
- Max Power 2 Watts (CW)
- BNC Male Coaxial Interface
- Includes Beaded Chain

#### Applications

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

#### Description

ShowMeCables's SMTR6252C 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. SMTR6252C 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	1.13 in [28.7 mm]
Width	0.571 in [14.5 mm]
Weight	0.035 lbs [15.88 g]
Package Type	Connectorized

##### Configuration

Connector	BNC Male
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#### Material Specifications

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

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**SMTR6252C**

**Material Specifications**

Description	Material	Plating
Chain	Brass	Nickel

**Environmental Specifications**

**Temperature**

**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.

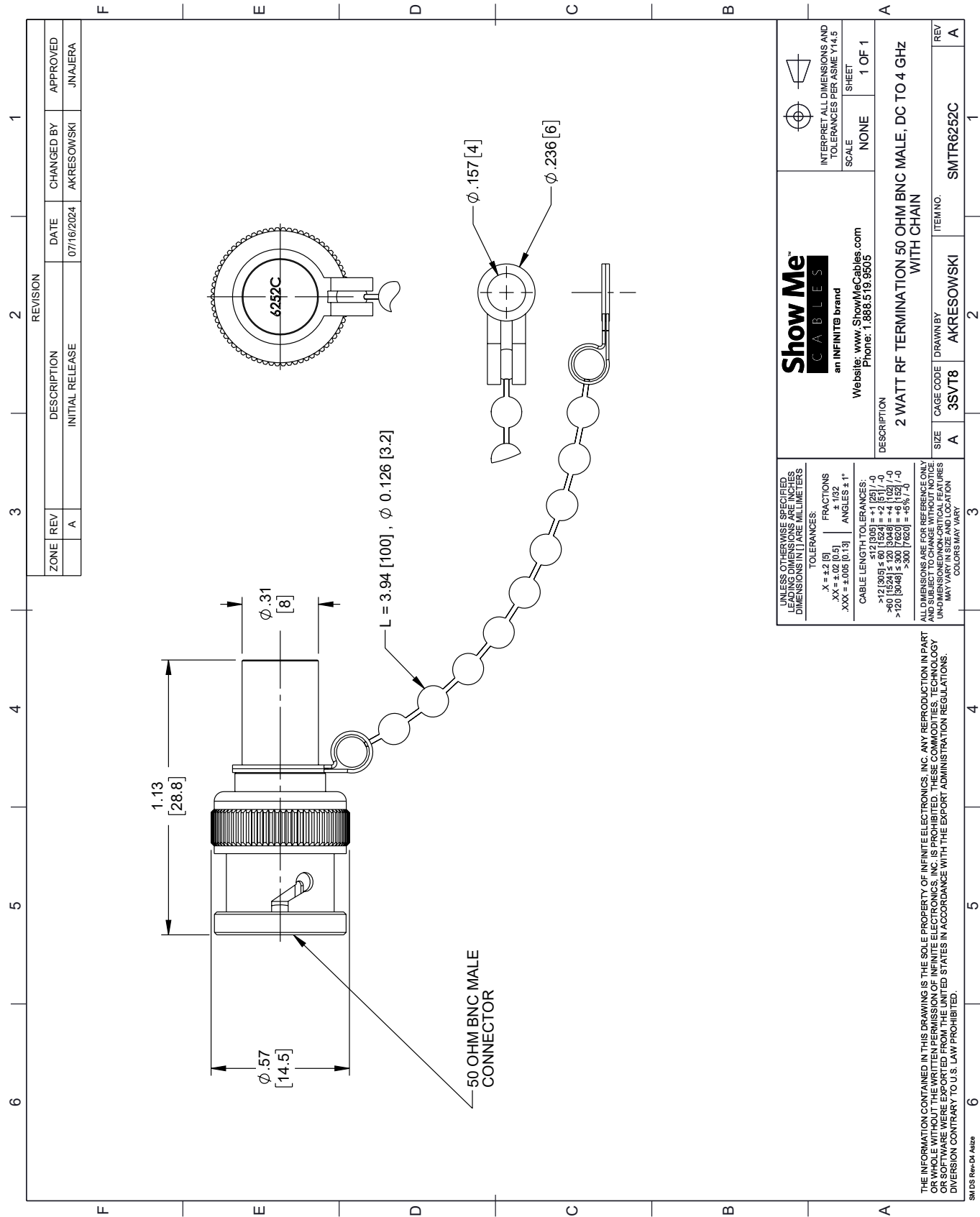
**FPO** Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Watt RF Termination 50 Ohm BNC Male, DC to 4 GHz with Chain SMTR6252C](#)

**URL:** <https://www.showmecables.com/showmecables-2-watt-50ohm-bnc-jack-termination-with-chain-4ghz-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.

SMTR6252C CAD Drawing

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



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	07/16/2024	AKRESOWSKI	JNAJERA
DESCRIPTION		INITIAL RELEASE		

<b>Show Me<sup>™</sup></b> <b>CABLES</b> an INFINITB brand Website: <a href="http://www.ShowMeCables.com">www.ShowMeCables.com</a> Phone: 1.888.519.9505		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1	
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE IN MILLIMETERS. TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13] FRACTIONS: ± 1/32 ANGLES: ± 1° CABLE LENGTH TOLERANCES: >12 [305] ± .60 [15.24] = ±1 [25] / -0 >60 [1524] ± 1.20 [30.48] = ±4 [102] / -0 >120 [3048] ± 3.00 [76.20] = ±5% / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE BASED ON THE ACTUAL PARTS. UNLESS OTHERWISE SPECIFIED, DIMENSIONS SHALL VARY IN SIZE AND LOCATION. COLORS MAY VARY.		DESCRIPTION 2 WATT RF TERMINATION 50 OHM BNC MALE, DC TO 4 GHz WITH CHAIN	
SIZE A	CAGE CODE 3SVT8	DRAWN BY AKRESOWSKI	ITEM NO. SMTR6252C
REV A			

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