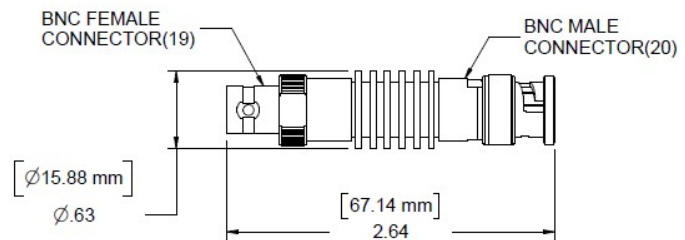


# Fixed Coaxial Attenuator

# WA20

DC - 6.0 GHz

10 WATTS



## Features

BNC connectors mate non-destructively with MIL-PRF-39012. Broad frequency range, optimized for wireless applications.  
*Usable to 12 GHz.*

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC - 6.0 GHz  
(Usable to 12.0 GHz)

**Nominal dB Values:** 0 - 30 dB

**Power Coefficient:** < 0.005 dB/dB/W;  
Bidirectional in power.

**Power Rating:** 10 W average to 25°C ambient temperature, de-rated linearly to .5W at 125° C, 1 kW peak (5  $\mu$ sec pulse width, 0.5% duty cycle).

**Temperature Range:** -55°C to +125°C.

**Temperature Coefficient:** < 0.0004 dB/dB/°C.

**Construction:** Black anodized aluminum body with nickel plated brass connectors. Gold plated beryllium copper female and stainless steel male contacts.

**Calibration:** Insertion Loss and VSWR performed across frequency range. Calibration test data available at additional cost.

## Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy $\pm$ dB
1 - 6	0.4
7 - 30	0.9

## Maximum VSWR:

Frequency (GHz)	VSWR
DC - 4.0	1.25
4.0 - 6.0	1.3

## Dimensions:

Diameter: 15.88 (0.63)  
Weight: 39.7 (1.4)  
Length: 67.14 (2.64)

*Note: Dimensions are given in mm (in), or g (oz). Weight figure is nominal, with our standard connector configuration. Additional connector options may be available.*