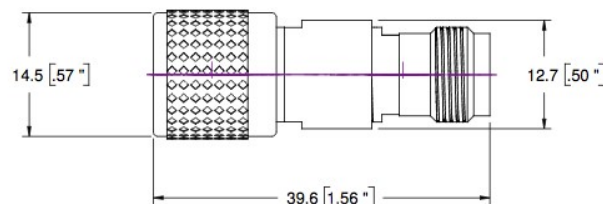


Fixed Coaxial Attenuator

WA55

WA55/6: DC – 6.0 GHz
WA55: DC – 18 GHz

5 WATTS



Features

TNC stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA55/6: DC - 6.0 GHz.
WA55: DC - 18 GHz.

Nominal dB Values: 1 - 30 dB

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

Power Rating: 5 W maximum average rated power to 25°C ambient temperature, de-rated linearly to 0.5 W at 125°C. 1 kW peak power (5 µsec pulse width, 0.25% duty cycle).

Temperature Range: -55°C to +125°C.

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

Construction: Passivated stainless steel body and connectors. Gold plated beryllium copper or stainless steel contacts. RoHS Compliant.

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

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	WA55/6	WA55
1 - 6	0.3	0.4
7 - 20	0.4	0.5
21 -30	0.8	0.9

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA55/6	WA55
DC - 4.0	1.15	1.15
4.0 - 6.0	1.2	1.2
6.0 - 8.0	N/A	1.2
8.0 - 12.4	N/A	1.25
12.4 - 18.0	N/A	1.45

Dimensions and Weight (both models):

Diameter: 12.7 (.50)
Length: 39.8 (1.56)
Weight: .03 (1.06)

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

Low Intermodulation Option: Add -LIM after connector option to specify low intermodulation.