

20 dB Fixed Attenuator, QMA Male to QMA Female Brass Tri-Metal Body Rated to 2 Watts Up to 6 GHz



PE7520-20

Features

- DC to 6 GHz Range
- QMA Connectorized Design
- Attenuation 20 $\pm$ 0.5 dB
- Max Power 2 Watts (CW)
- VSWR 1.3:1

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems
- 5G Cellular Bands
- DAS Systems

Description

Pasternack carries a wide range of fixed attenuators with a broad selection of attenuation levels, frequency ranges, and power dissipation ranges. RF microwave attenuators (also known as RF pads) lower the amplitude of a signal (attenuate) a known amount and can be used in a wide variety of applications. These attenuators pads are used when a signal needs to be reduced to protect measurement equipment or other circuitry, to extend the range of power meters and amplifiers, and to impedance match circuits by reducing the VSWR seen by adjacent components. RF attenuators can prevent signal overload in amplifiers, receivers and detectors, adjusting the signal level to a range that is optimal.

Few RF components are as commonly used as fixed coaxial attenuators, and Pasternack carries one of the largest in-stock varieties and ships them same day. The 20 dB Fixed Attenuators PE7520-20 is rated to 2 Watts and operates from DC to 6 GHz. The versatile coaxial package uses QMA male to QMA female connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Nominal Attenuation		20		dB
Attenuation Accuracy		0.5		dB
VSWR			1.3:1	
Input Power, CW			2	Watts

Mechanical Specifications

Size

Length	1.248 in [31.7 mm]
Width/Diameter	0.413 in [10.49 mm]
Weight	0.02 lbs [9.07 g]
Body Material and Plating	Brass, Tri-Metal

Configuration

Design	Fixed, Bidirectional
Design Type	Standard
Package Style	Connectorized

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Connectors

Description	Connector 1	Connector 2
Type	QMA Male	QMA Female
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

Typical Performance Data

20 dB Fixed Attenuator, QMA Male to QMA Female Brass Tri-Metal Body Rated to 2 Watts Up to 6 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20 dB Fixed Attenuator, QMA Male to QMA Female Brass Tri-Metal Body Rated to 2 Watts Up to 6 GHz PE7520-20](#)

URL: <https://www.pasternack.com/20db-fixed-qma-male-qma-female-2-watts-attenuator-pe7520-20-p.aspx>

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PE7520-20 CAD Drawing
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