20 dB Fixed Attenuator N Male (Plug) to N Female (Jack) DC to 12 GHz Rated to 2 Watts, Brass Body, 1.35:1 VSWR

FMAT7468-20

Features

- DC to 12 GHz Frequency Range
- N Connectorized Design
- Attenuation 20 dB ±1 dB
- Max Power 2 Watts (CW)
- Max VSWR of 1.35:1

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization
- Production Systems
- WIFI 6E
- 5G Cellular bands

Description

Fairview Microwave 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 attenuator 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 Fairview Microwave carries one of the largest in-stock varieties and ships them same day. The 20 dB Fixed Attenuator FMAT7468-20 is rated to and operates from DC to 12 GHz. The versatile coaxial package uses N female to N male connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
Nominal Attenuation		20		dB
VSWR			1.35:1	
Input Power, CW			2	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 5	5 to 10	10 to 12		GHz
VSWR, Max	1.15:1	1.25:1	1.35:1	1.35:1		
Attenuation Accuracy, Typ	0.2	0.3	0.5	1		dB

Mechanical Specifications

Size

Length	2.1 in [53.34 mm]
Width/Diameter	0.827 in [21.01 mm]
Height	0.827 in [21.01 mm]
Weight	0.07 lbs [31.75 g]
Body Material and Plating	Brass, Tri-Metal

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Configuration

Design	Fixed, Bi-Directional
Package Style	Conectorized

Connectors

Description	Connector 1	Connector 2
Type	N Female	N Male
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	Teflon	Teflon
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 N Male (Plug) to N Female (Jack) DC to 12 GHz Rated to 2 Watts, Brass Body, 1.35:1 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: 20 dB Fixed Attenuator N Male (Plug) to N Female (Jack) DC to 12 GHz Rated to 2 Watts, Brass Body, 1.35:1 VSWR FMAT7468-20

URL: https://www.fairviewmicrowave.com/20db-fixed-attenuator-n-female-n-male-2-watts-fmat7468-20-p.aspx

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FMAT7468-20 CAD Drawing

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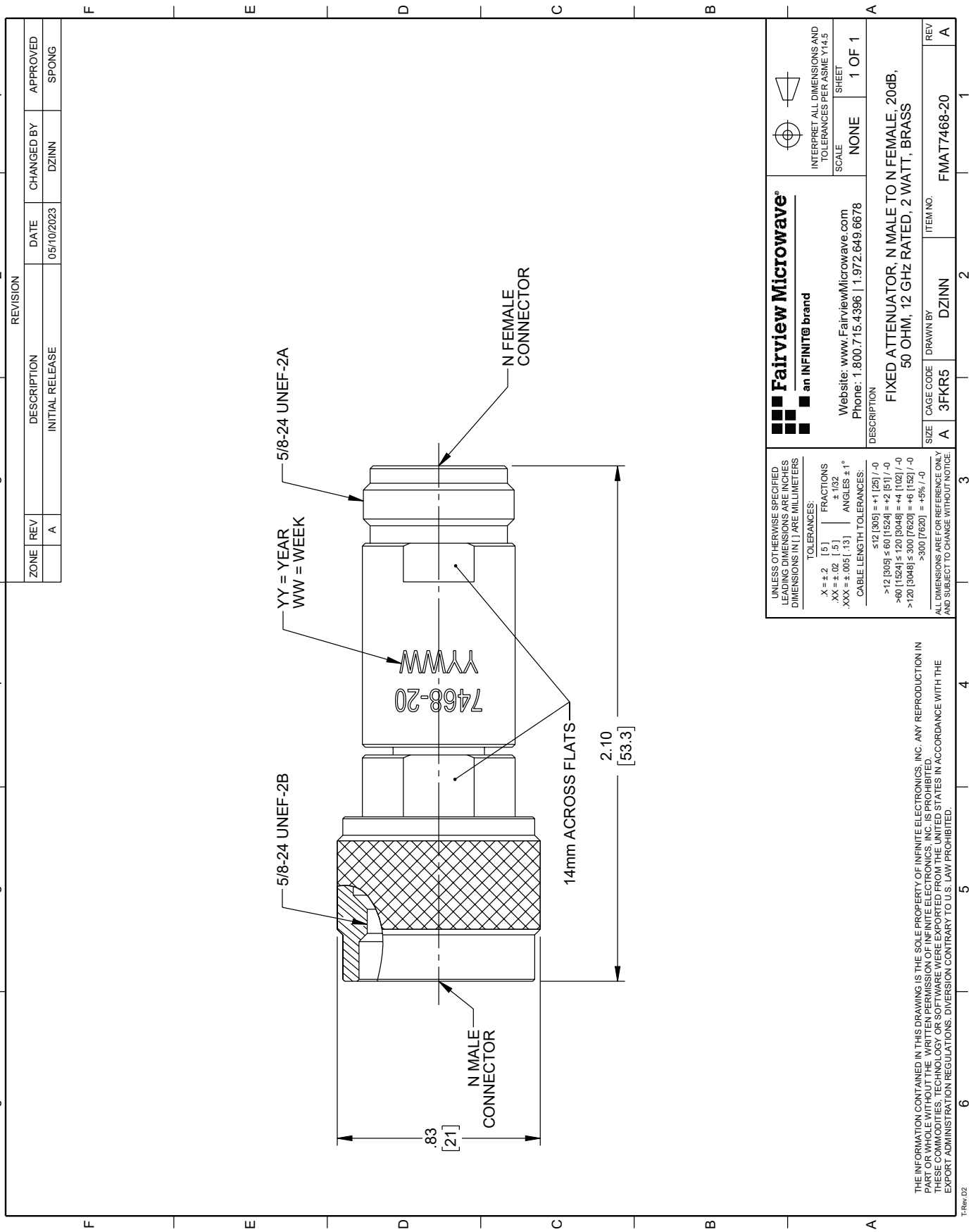

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