

6 dB Fixed Attenuator, 75 Ohm F Male to 75 Ohm F Female Brass Tri-Metal Body Rated to 2 Watts Up to 3 GHz

Fairview Microwave carries a broad selection of fixed attenuators with a wide range of attenuation levels, frequency ranges, and power dissipation ranges. Also known as RF pads, RF microwave attenuators lower the amplitude of a signal (or attenuate) a known amount. These attenuator pads can be used in a wide variety of applications including reducing a signal level to protect measurement equipment or other circuitry, extending the range of power meters and amplifiers, and impedance matching 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 FMAT7396-6 is a 6 dB Fixed Attenuator that operates from DC to 3 GHz and is rated to 2 Watts. The versatile coaxial package uses type F male to type F female connectors and is also REACH and RoHS compliant.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|---------------------|-----|-----|-------|-------|
| Frequency Range | DC | | 3 | GHz |
| Impedance | | 75 | | Ohms |
| Nominal Attenuation | | 6 | | dB |
| VSWR | | | 1.3:1 | |
| Input Power, CW | | | 2 | Watts |

Specifications by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---------------------|---------|--------|----|----|----|-------|
| Range | DC to 2 | 2 to 3 | | | | GHz |
| Atten Accuracy, Typ | 0.3 | 0.5 | | | | dB |

Mechanical Specifications

Size

| | |
|---------------------------|--------------------|
| Length | 2.02 in [51.31 mm] |
| Width/Diameter | 0.43 in [10.92 mm] |
| Height | 0.43 in [10.92 mm] |
| Weight | 0.06 lbs [27.22 g] |
| Body Material and Plating | Brass, Tri-Metal |

Configuration

| | |
|---------------|----------------------|
| Design | Fixed |
| Package Style | Connectorized Module |



Features:

- DC to 3 GHz Frequency Range
- Attenuation 6±0.5 dB
- Max Power 2 Watts (CW)
- VSWR < 1.3:1

Applications:

- Instrumentation
- Cable TV and Video Distribution
- Prototyping and characterization
- Production systems

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Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|------------------|-----------------------|
| Type | F Male | F Female |
| Contact Material & Plating | Brass, Gold | Phosphor Bronze, Gold |
| Contact Plating Spec. | 4μ-inch min. | 4μ-inch min. |
| Dielectric Type | Teflon | Teflon |
| Coupling Nut Material & Plating | Brass, Tri-Metal | |
| Hex Size | 7/16 in. | |
| Body Material & Plating | Brass, Tri-Metal | Brass, Tri-Metal |
| Body Plating Spec. | 100μ-inch min. | 100μ-inch min. |

Environmental Specifications

Temperature

Operating Range -55 to +80 deg C

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

Plotted and Other Data

Notes:

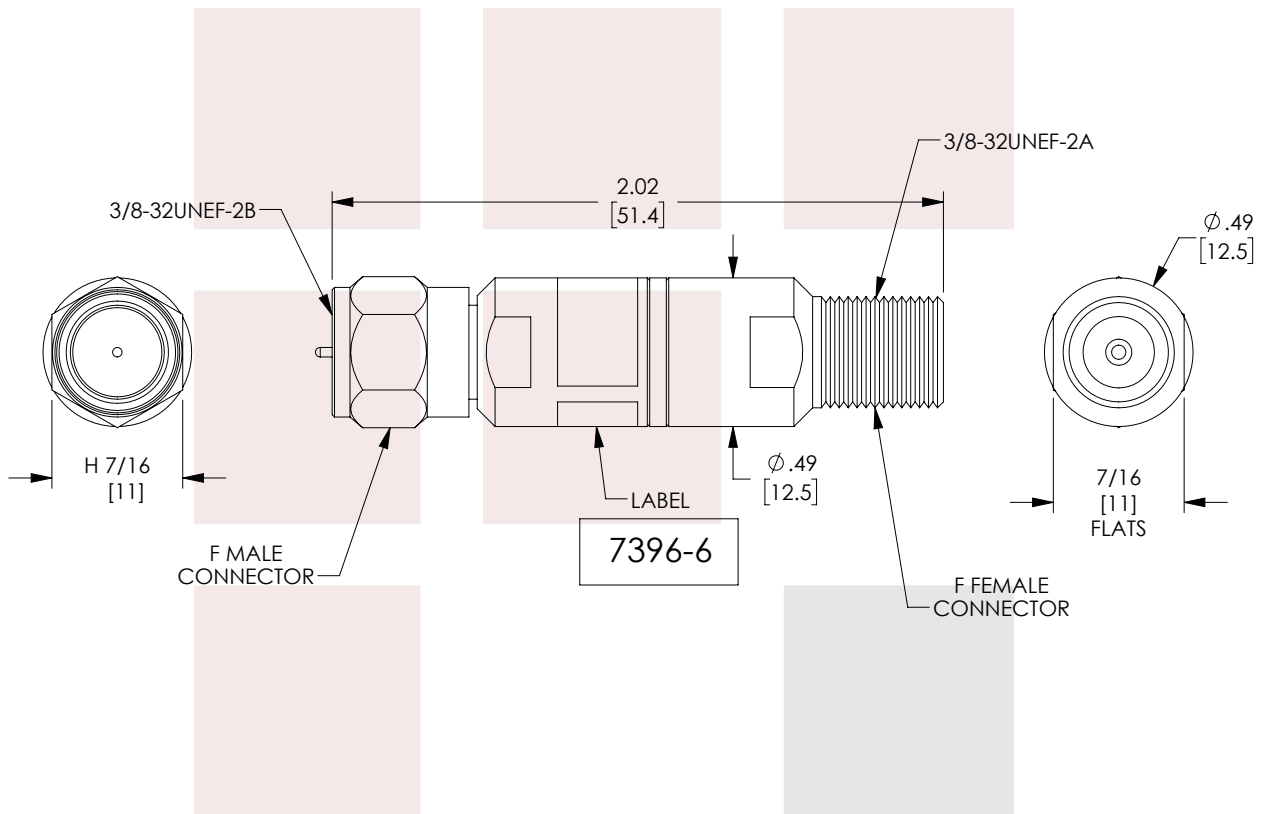
6 dB Fixed Attenuator, 75 Ohm F Male to 75 Ohm F Female Brass Tri-Metal Body Rated to 2 Watts Up to 3 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [6 dB Fixed Attenuator, 75 Ohm F Male to 75 Ohm F Female Brass Tri-Metal Body Rated to 2 Watts Up to 3 GHz FMAT7396-6](#)

URL: <https://www.fairviewmicrowave.com/6db-fixed-attenuator-f-male-f-female-2-watts-fmat7396-6-p.aspx>

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| REVISIONS | | | |
|-----------|-----------------|------------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 07/19/2022 | SPONG |



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TITLE

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32

.XX = ±.02 [.51] ANGLES ± 1°

.XXX = ±.005 [.13]

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0

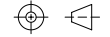
12 [305] < L ≤ 60 [1524] = +2 [51] / -0

60 [1524] < L ≤ 120 [3048] = +4 [102] / -0

120 [3048] < L ≤ 300 [7620] = +6 [152] / -0

300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE

N/A

| | | | | |
|-----------|--------------------|-----------------------|------------------------|----------|
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY BPUCHASKI | ITEM NO. FMAT7396-6 | REV A |
|-----------|--------------------|-----------------------|------------------------|----------|

T-Rev.D