

**0 to 40 dB Continuously Variable Attenuator SMA Female To SMA Female From 850 MHz To 2.5 GHz Rated To 15 Watts in a Dial Design**

Continuously variable attenuator SA4086 from Fairview Microwave is manufactured in a coaxial adjustable RF attenuator design. Our connectorized continuously variable attenuator has an input RF connector that is SMA. This SMA continuously variable attenuator has female gender for input / output ports and 50 Ohm impedance.

Fairview 50 Ohm SMA continuously adjustable attenuator is constructed to precise RF and microwave industry specifications and has a maximum attenuation value of 40 dB. Our SMA 40 dB variable attenuator is constructed to operate up to a maximum frequency of 2.5 GHz and a maximum input power of 15 Watts. This radio frequency continuously variable attenuator with SMA connectors is built with aluminum body material; you can find more continuous variable attenuator datasheet specifications above.

Fairview Microwave SMA coaxial continuously variable attenuator part number SA4086 is in-stock at our Allen, TX facility. Our adjustable RF attenuator that is continuously variable is only part of over one million components for RF, microwave and millimeter wave applications that are ready for same day shipment worldwide.



**Features:**

- Design: Continuously Variable, Bidirectional Attenuator
- Connector 1: SMA Female
- Connector 2: SMA Female
- Body Material and Plating: Aluminum

**Electrical Specifications\***

Description	Min	Typ	Max	Units
Frequency Range	0.85		2.5	GHz
Impedance		50		Ohms
Attenuation Value		0 to 40		dB
Step Size		0		dB
Step Type		Dial		
Input Power			15	Watts
VSWR			1.5:1	

\* Values at 25°C, sea level

**Mechanical Specifications**

<b>Size</b>	
Length	4.13 in [104.9 mm]
Width	3.38 in [85.85 mm]
Height	1 in [25.4 mm]
Weight	1.3655 lbs [619.38 g]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material & Plating	Stainless Steel	Stainless Steel

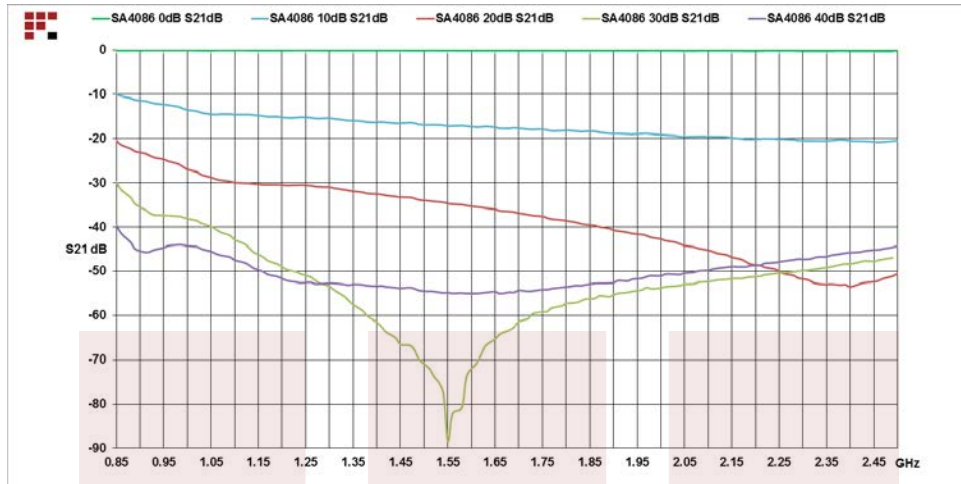
**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

- Notes:
- Values at 25 °C, sea level

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**Typical Performance Data**

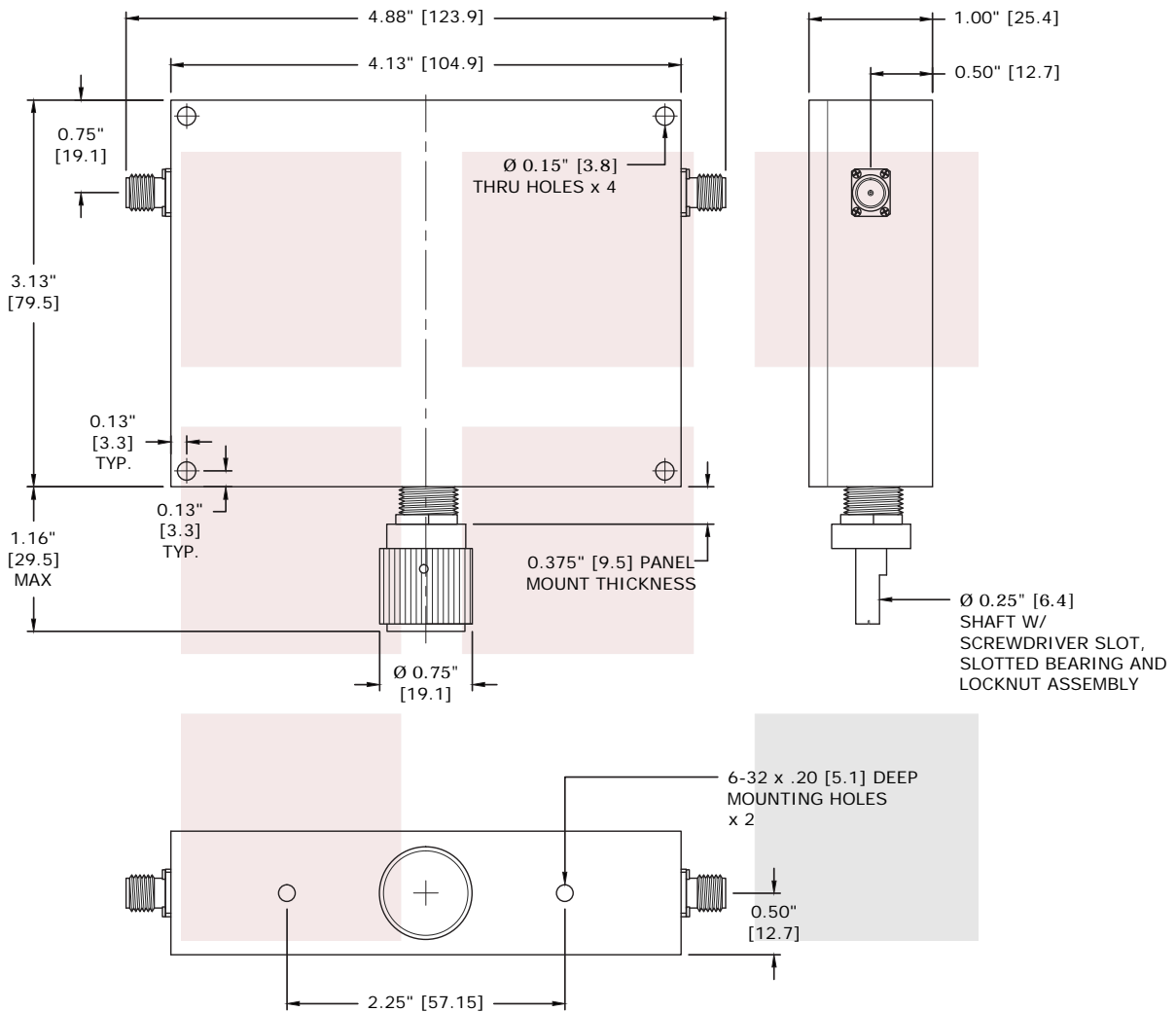


0 to 40 dB Continuously Variable Attenuator SMA Female To SMA Female From 850 MHz To 2.5 GHz Rated To 15 Watts in a Dial Design from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [0 to 40 dB Continuously Variable Attenuator SMA Female To SMA Female From 850 MHz To 2.5 GHz Rated To 15 Watts in a Dial Design SA4086](https://www.fairviewmicrowave.com/40db-continuous-attenuator-sma-female-sma-female-15-watts-sa4086-p.aspx)

URL: <https://www.fairviewmicrowave.com/40db-continuous-attenuator-sma-female-sma-female-15-watts-sa4086-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



**\*\*UNITS USE MULT-TURN NON TRANSLATING SHAFTS,  
FULL ATTENUATION IS REACHED IN LESS THAN 30 TURNS\*\***

<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE 0 to 40 dB Continuously Variable Attenuator SMA Female To SMA Female From 850 MHz To 2.5 GHz Rated To 15 Watts in a Dial Design		DWG NO <b>SA4086</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	020615	SHEET	SCALE	N/A	SIZE A 5568