

0 to 31 dB Step Attenuator With a 1 dB Step N Female (Jack) Connectors Rated Up To 2.7 GHz and Up to 2 Watts in a Dial Design, 1.6 VSWR



SA3101NB

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2.7	GHz
Impedance		50		Ohms
Insertion Loss			1.2	dB
Attenuation Value		0 to 31		dB
Step Size		1		dB
Step Type		Dial		
Input Power (CW)			2	Watts
VSWR			1.6:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 2.7					GHz
Attenuation Accuracy	1.5					dB

Mechanical Specifications

Size	
Length	2.52 in [64.01 mm]
Width	1.89 in [48.01 mm]
Height	1.26 in [32 mm]
Weight	0.31438 lbs [142.6 g]
Body Material and Plating	Aluminum, Nickel

Connectors

Description	Connector 1	Connector 2
Type	N Female	N Female
Body Material and Plating	Brass	Brass

Environmental Specifications

Temperature	
Operating Range	-40 to 85 deg C

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

Plotted and Other Data

Notes:

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0 to 31 dB Step Attenuator With a 1 dB Step N Female (Jack) Connectors Rated Up To 2.7 GHz and Up to 2 Watts in a Dial Design, 1.6 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.

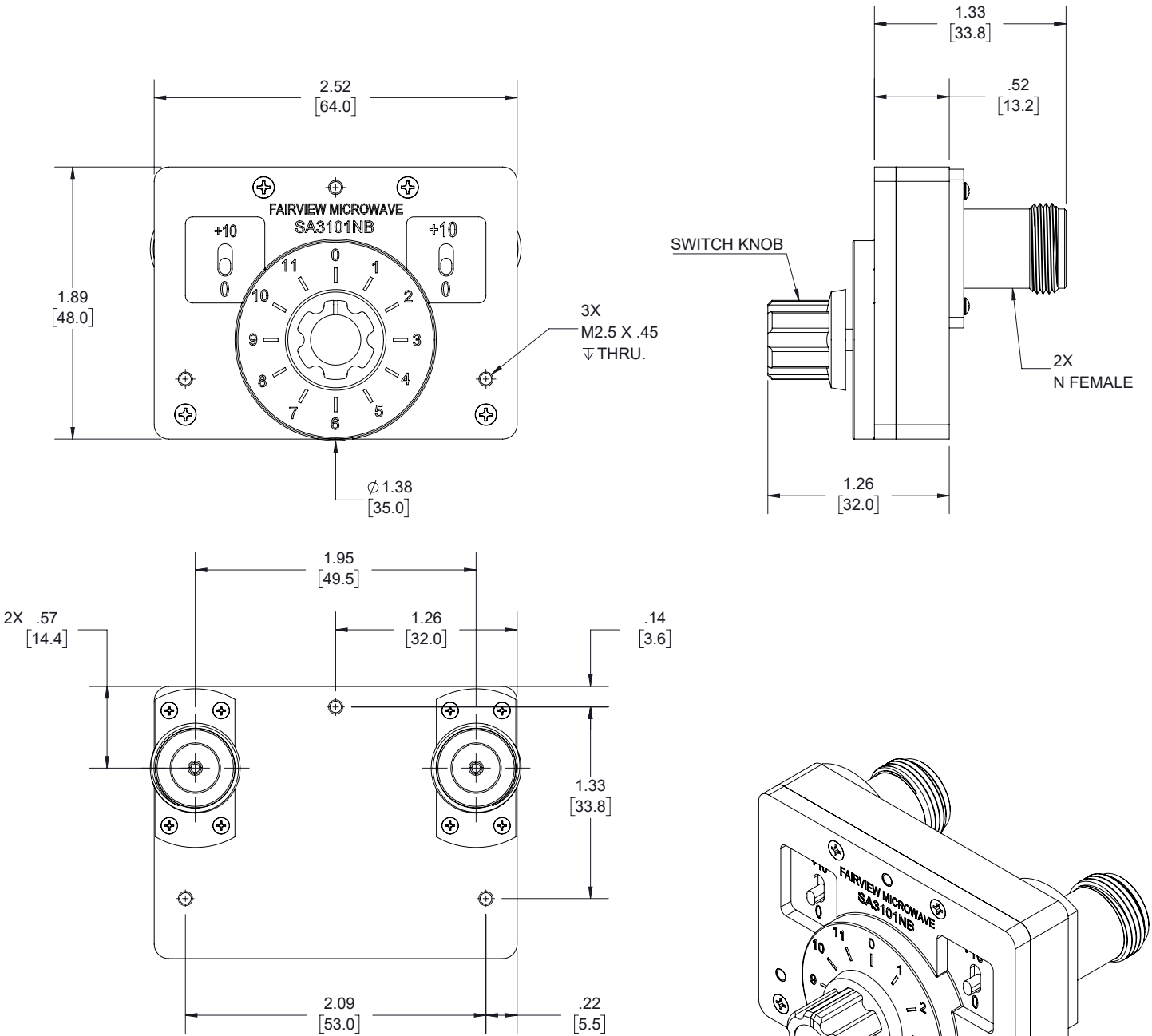
For additional information on this product, please click the following link: [0 to 31 dB Step Attenuator With a 1 dB Step N Female \(Jack\) Connectors Rated Up To 2.7 GHz and Up to 2 Watts in a Dial Design, 1.6 VSWR SA3101NB](https://www.fairviewmicrowave.com/31db-step-attenuator-1db-n-female-dc-2.7-ghz-2-watts-sa3101nb-p.aspx)

URL: <https://www.fairviewmicrowave.com/31db-step-attenuator-1db-n-female-dc-2.7-ghz-2-watts-sa3101nb-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.


SA3101NB CAD Drawing

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

 Fairview Microwave RF COMPONENTS ON DEMAND. <i>Done!</i>	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		DWG NO		CAGE CODE		
		SA3101NB		3FKR5		
CAD FILE		05/31/18	SHEET	1 OF 1	SCALE	N/A
					SIZE	A
						7361