

0.5 to 10 dB Step Attenuator With a
1 dB Step N Female Connectors Rated Up To
3 GHz and Up to 2 Watts in a Dial Design



SA3710N

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Insertion Loss			0.5	dB
Attenuation Value		0.5 to 10		dB
Step Size		1		dB
Step Type		Dial		
Input Power (CW)			2	Watts
Input Power, Peak			100	Watts
VSWR			1.5:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1	1 to 2	2 to 3			GHz
Insertion Loss	0.3	0.45	0.5			dB
VSWR	1.2:1	1.25:1	1.4:1			
Attenuation Accuracy	0.3	0.45	0.5			dB

Mechanical Specifications

Size

Length	2.48 in [62.99 mm]
Width	1.18 in [29.97 mm]
Height	1.4 in [35.56 mm]
Weight	0.526 lbs [238.59 g]

Connectors

Description	Connector 1	Connector 2
Type	N Female	N Female

Environmental Specifications

Temperature

Operating Range	-20 to 85 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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For additional information on this product, please click the following link: [0.5 to 10 dB Step Attenuator With a 1 dB Step N Female Connectors Rated Up To 3 GHz and Up to 2 Watts in a Dial Design SA3710N](#)

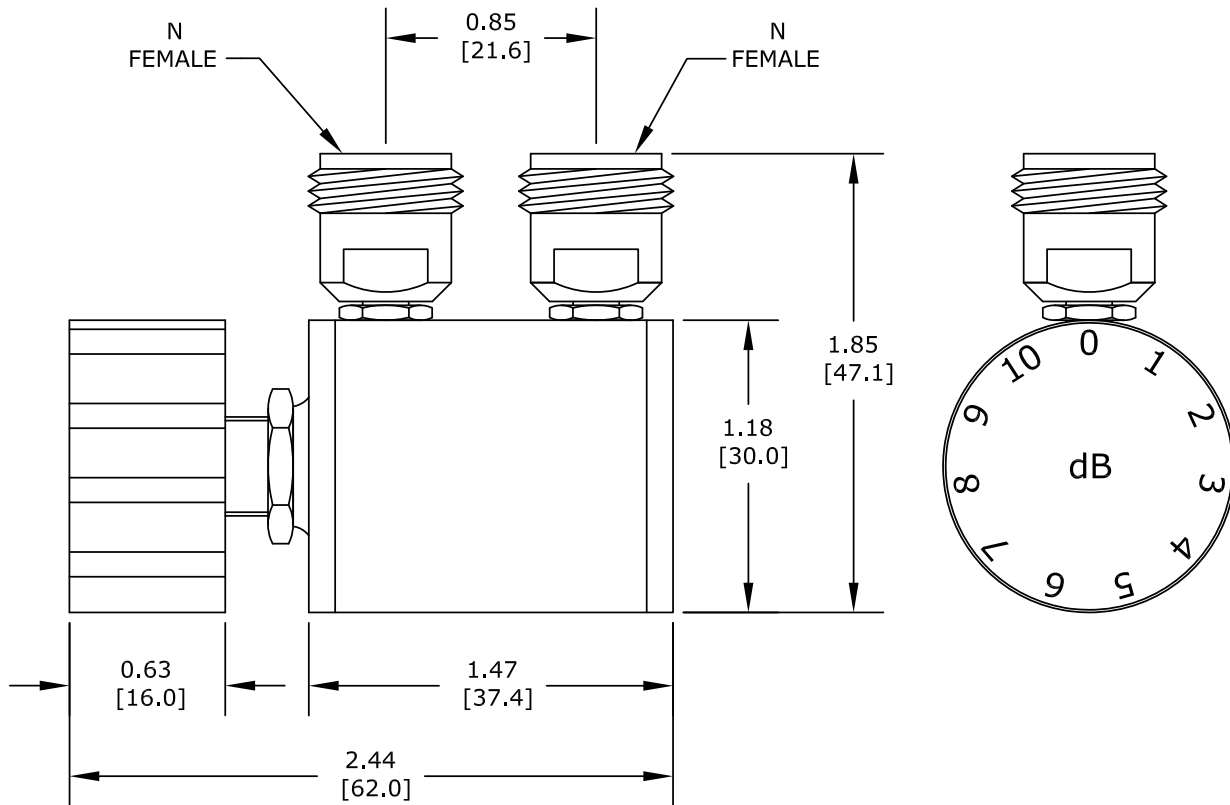
URL: <https://www.fairviewmicrowave.com/10db-step-attenuator-1db-n-female-dc-3-ghz-2-watts-sa3710n-p.aspx>

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SA3710N CAD Drawing

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.		NOTES:	
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.	
TITLE		2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.	
DWG NO		3. DIMENSIONS ARE IN INCHES [mm].	
SA3710N		CAGE CODE	
3FKR5		SCALE N/A	
CAD FILE	102516	SHEET	SIZE A
			41742