

0 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



SA3510N

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------|---------|---------|---------|--------|
| Frequency Range | DC | | 3 | GHz |
| Impedance | | 50 | | Ohms |
| Insertion Loss | | | 0.75 | dB |
| Attenuation Value | | 0 to 10 | | dB |
| Step Size | | 1 | | dB |
| Step Type | | Dial | | |
| Input Power (CW) | | | 2 | Watts |
| Input Power, Peak | | | 1 | kWatts |
| 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 | 0.25 | 0.5 | 0.75 | | | dB |
| VSWR | 1.25:1 | 1.35:1 | 1.5:1 | | | |
| Attenuation Accuracy | 0.25 | 0.35 | 0.5 | | | dB |

Mechanical Specifications

Size

| | |
|--------|---------------------|
| Length | 3.02 in [76.71 mm] |
| Width | 1.75 in [44.45 mm] |
| Height | 2.63 in [66.8 mm] |
| Weight | 0.63493 lbs [288 g] |

Connectors

| Description | Connector 1 | Connector 2 |
|-------------|-------------|-------------|
| Type | N Female | N Female |

Environmental Specifications

Temperature

| | |
|-----------------|------------------|
| Operating Range | -55 to 100 deg C |
|-----------------|------------------|

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

Plotted and Other Data

Notes:

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0 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 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 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 SA3510N](https://www.fairviewmicrowave.com/10db-step-attenuator-1db-n-female-dc-3-ghz-2-watts-sa3510n-p.aspx)

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