SMA Fixed Attenuator, DC–8 GHz, 2 W, 1 to 60 dB

Inline 50 Ω pad, SMA male in and SMA female out, 17 attenuation values



Overview

An inline fixed attenuator with an SMA male input and SMA female output, rated 2 W average from DC to 8 GHz. Pick from 17 values between 1 dB and 60 dB to protect a receiver or analyzer input, set a test level, or improve the match between two stages.

Applications

- Protecting spectrum analyzer, SDR and VNA inputs
- Setting signal levels on a test bench
- Padding a mismatched port to improve return loss
- Sub-6 GHz radio, Wi-Fi and IF chain testing

Specifications

Frequency	DC–8 GHz
Attenuation	1–10, 15, 20, 25, 30, 40, 50, 60 dB (by option)
Average power	2 W
VSWR	< 1.05 to < 1.3, by value (table below)
Impedance	50 Ω
Connectors	SMA male (in), SMA female (out)
Body	Brass, tri-metal plated
Weight	5 g
Mating cycles	≥ 500
Operating temperature	−45 °C to +125 °C
RoHS	Yes

Options (Attenuation)

1 dB · SKU KYM-US-ATT-SMA-8G-01

Attenuation accuracy	0.4 dB
VSWR	< 1.25

2 dB · SKU KYM-US-ATT-SMA-8G-02

Attenuation accuracy	0.4 dB
VSWR	< 1.2

3 dB · SKU KYM-US-ATT-SMA-8G-03

Attenuation accuracy	0.3 dB
VSWR	< 1.2

4 dB · SKU KYM-US-ATT-SMA-8G-04

Attenuation accuracy	0.3 dB
VSWR	< 1.2

5 dB · SKU KYM-US-ATT-SMA-8G-05

Attenuation accuracy	0.35 dB
VSWR	< 1.1

6 dB · SKU KYM-US-ATT-SMA-8G-06

Attenuation accuracy	±0.3 dB
VSWR	< 1.05

7 dB · SKU KYM-US-ATT-SMA-8G-07

Attenuation accuracy	±0.3 dB
VSWR	< 1.2

8 dB · SKU KYM-US-ATT-SMA-8G-08

Attenuation accuracy	±0.3 dB
VSWR	< 1.2

9 dB · SKU KYM-US-ATT-SMA-8G-09

Attenuation accuracy	0.4 dB
VSWR	< 1.2

10 dB · SKU KYM-US-ATT-SMA-8G-10

Attenuation accuracy	±0.3 dB
VSWR	< 1.15

15 dB · SKU KYM-US-ATT-SMA-8G-15

Attenuation accuracy	0.3 dB
VSWR	< 1.1

20 dB · SKU KYM-US-ATT-SMA-8G-20

Attenuation accuracy	−0.35 dB
VSWR	< 1.15

25 dB · SKU KYM-US-ATT-SMA-8G-25

Attenuation accuracy	0.6 dB
VSWR	< 1.2

30 dB · SKU KYM-US-ATT-SMA-8G-30

Attenuation accuracy	±0.3 dB
VSWR	< 1.25

40 dB · SKU KYM-US-ATT-SMA-8G-40

Attenuation accuracy	1.5 dB
VSWR	< 1.25

50 dB · SKU KYM-US-ATT-SMA-8G-50

Attenuation accuracy	+2.0 dB
VSWR	< 1.3

60 dB · SKU KYM-US-ATT-SMA-8G-60

Attenuation accuracy	+2.5 dB
VSWR	< 1.3

Values are typical or maximum figures stated in the manufacturer's datasheet, not a Kymopsis lab report. Ask us for the manufacturer's test data where one exists.

Passive RF component for laboratory, development and integration use. It does not transmit on its own and carries no FCC, CE or other equipment certification claim.

Kymopsis · kymopsis.com · support@kymopsis.com. Specifications may change without notice. Custom lengths, connectors and bands: kymopsis.com/b2b/