

Fixed Attenuator Chip

AAS6100-X

Product Specification

V1.0

1. Product Features

Frequency Range: 0~40GHz

Attenuation: 0dB, 1dB, 2dB, 3dB, 4dB,
5dB, 6dB, 8dB, 10dB, 15dB, 20dB

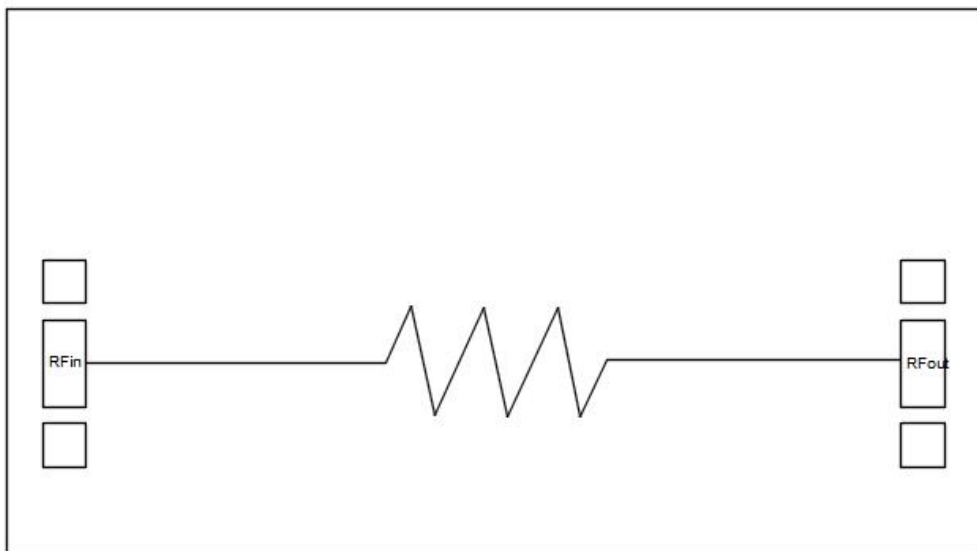
Power Handling: 27dBm (CW)

Chip Dimensions: 0.5mm×0.5mm×0.1mm

2. Functional Overview

This series of fixed attenuator chips covers a frequency range of 0 to 40 GHz, providing 11 fixed attenuation options with a power handling capacity of 27 dBm. The chip features a 50 Ω port impedance and adopts backside metal grounding design.

3. Block Diagram



4. Typical Applications

Suitable for communication, radar and other related application fields.

5. Electrical Performance Parameters

5.1 RF Characteristics

Unless otherwise specified, all electrical characteristics are measured under the following conditions: small signal $P_{in} = -5\text{dBm}$, ambient temperature $T_A = +25^\circ\text{C}$, in a $50\ \Omega$ system.