

Universal Equalizer Chip

AAS4904-X

Product Specification

V1.0

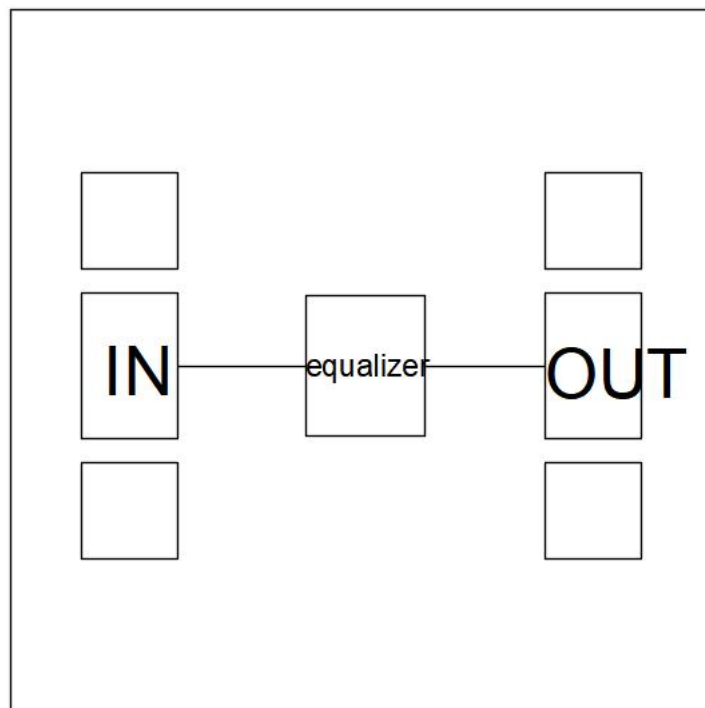
1. Product Features

- Frequency Range: 7 ~ 13 GHz
- Equalization Values: 0.5 dB, 1 dB, 1.5 dB, 2 dB, 2.5 dB, 3 dB, 3.5 dB, 4 dB, 4.5 dB, 5 dB
- Power Handling: 1 W (CW, 125 °C, 30 min)
- Chip Dimensions: 0.7 mm × 0.7 mm × 0.1 mm

2. Functional Description

This chip is a universal equalizer chip operating at 7 ~ 13 GHz, which can provide 10 levels of equalization values. The chip has a port impedance of 50 Ω and is grounded through its backside metal.

3. Block Diagram



4. Typical Applications

Suitable for applications such as communications, radar and other fields.

5. Electrical Performance Parameters

5.1 RF Characteristics

Unless otherwise specified, all electrical characteristics are measured under small-signal conditions with $P_{in} = -5$ dBm, $T_A = +25$ ° C, in a 50Ω system.