

Universal Equalizer Chip

AAS4900-X

Product Specification

V1.0

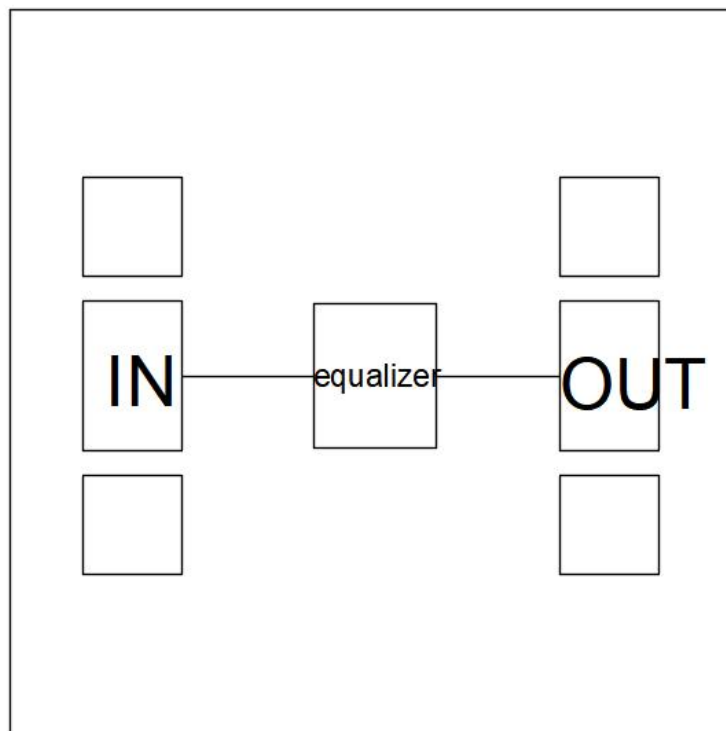
1. Product Features

- Frequency Range: 5 ~ 18 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 from 5 to 18 GHz, providing 10 levels of equalization values. The chip features a 50 Ω port impedance and is grounded via backside metal.

3. Block Diagram



4. Typical Applications

Suitable for applications such as communications, radar and related 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.