

**Features**

- Frequency: 1-18GHz
- Insertion Loss: 1.1dB @ 18GHz
- Equalization: 12dB
- Input/Output Return Loss: 25dB
- Input/Output: 50Ω
- Die Size: 0.95 x 1.0 x 0.1 mm

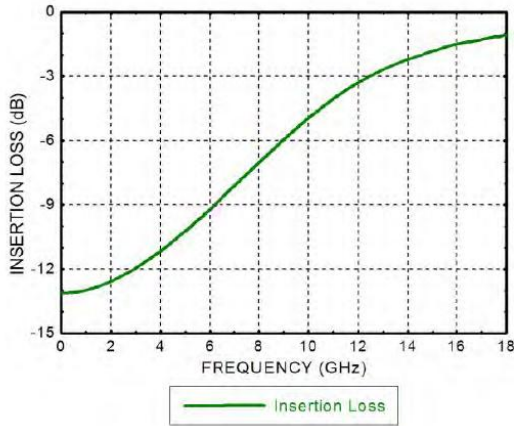
**Introduction**

- MME009 is GaAs MMIC Equalizer die, widely used to improve in-band fluctuations and equalize amplitude characteristics. The die is grounded through the backside metal via hole, and influence of gold wire bonding at input and output are considered in design phase. It is recommended to use two 25μm diameter gold wire bonds, and the bond wire length is about 300μm.

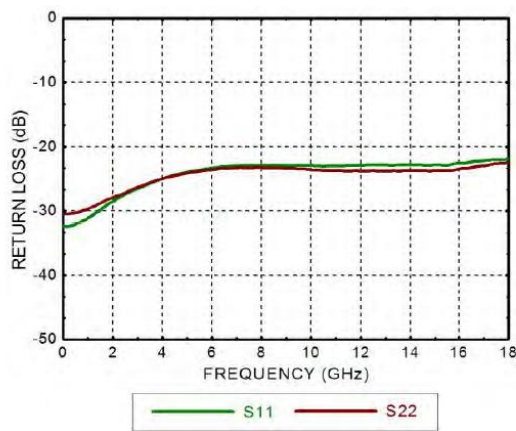
**Electrical Specifications**
**TA = +25°C**

Parameters	Min.	Typ.	Max.	Units
Frequency		1-18		GHz
Insertion Loss@18GHz		1.1		dB
Equalization		12		dB
Return Loss		25		dB

**Insertion Loss**

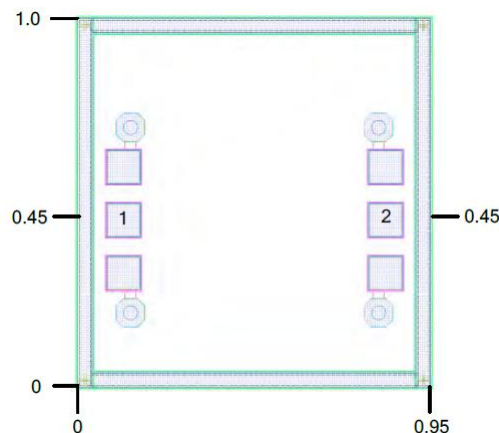


**Return Loss**



**Outline Drawing:**

All Dimensions in mm



**Pad Description**

Pad	Function	Description
1,2	RF1,RF2	RF signal terminal

**Maximum Ratings:**

1. Maximum input power: +30dBm
2. Operating temperature: -55°C to +85°C
3. Storage temperature: -65°C to +175°C