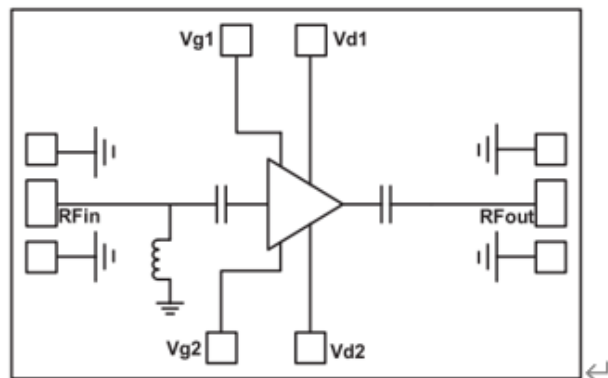


Features

- Frequency: 41-42GHz
- Gain: 15dB
- P1dB: +30dBm
- Self-biased, Power Supply: 6V@1600mA
- I/O 50 Ohm matching: VSWR < 1.3

Functional Block Diagram

Typical Applications

- Test Instrumentation
- Microwave Radio & VSAT
- Military & Space
- Telecom Infrastructure
- Fiber Optics

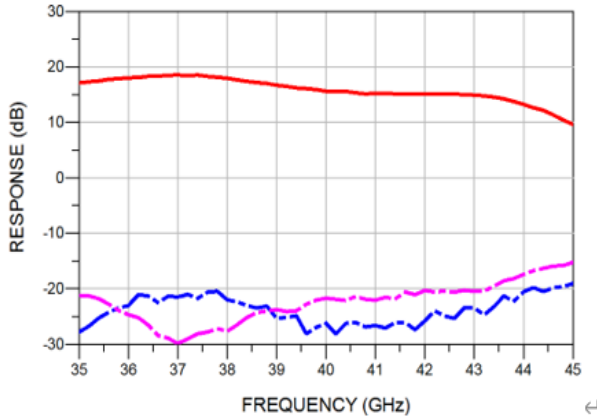
Electrical Specifications

TA = +25°C, Vdd = +6V, Vgg = -0.7V (On-wafer Measurement Results)

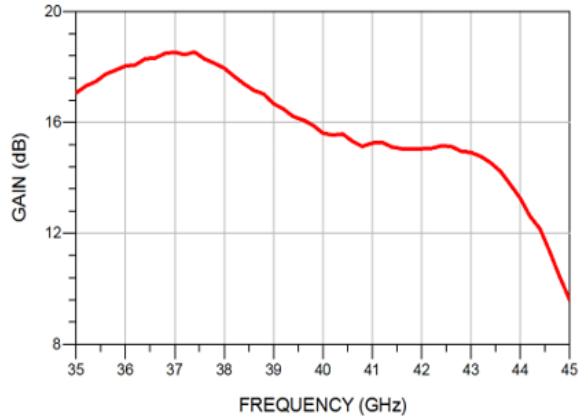
Parameters	Min.	Typ.	Max.	Units
Frequency	41-42			GHz
Gain		15		dB
Gain Flatness	-0.2		+0.2	dB
P1dB		30		dBm
Input Return Loss		25		dB
Output Return Loss		22		dB
Operating Current (@Vdd = 6V)		1600		mA



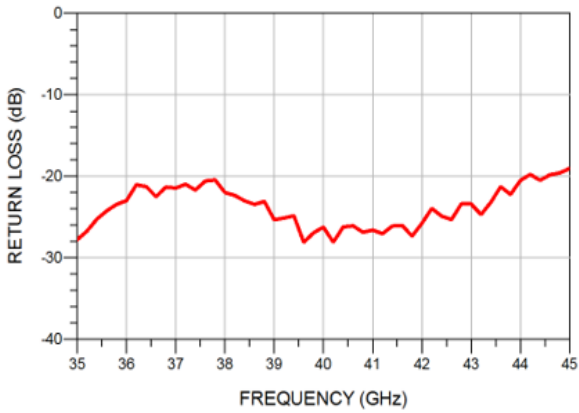
Frequency Response



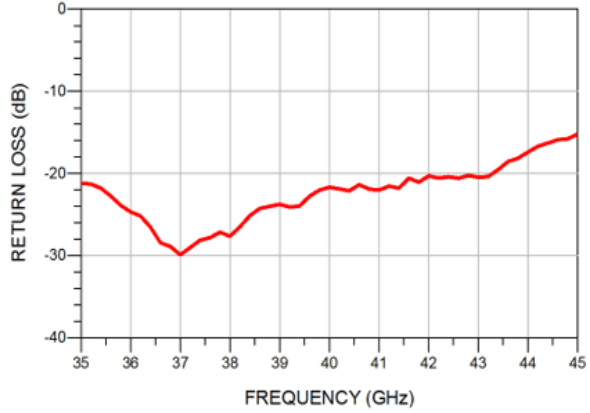
Gain



Input Return Loss

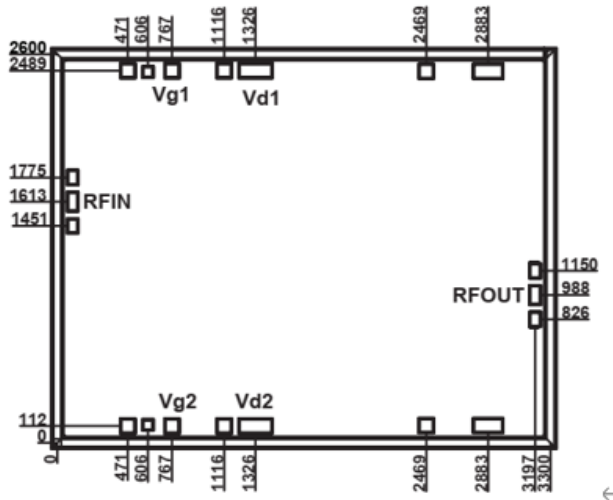


Output Return Loss





Outline Drawing: All Dimensions in μm



Assembly Drawing (Bond testing)

