

Features

- High Gain
- Compact Size
- 17 dB Small Signal Gain
- 7 dB Noise Figure
- +20 dBm Output P1dB Compression Point



Figure 1. Connectorized Amp Photo

Electrical Specifications

Parameter	Conditions	Unit	Min.	Typ.	Max.
Operating Frequency		GHz	20	---	40
Small Signal Gain	20 to 30 GHz	dB	15	---	20
	30 to 40 GHz	dB	18	---	23
Output P1dB	20 GHz	dBm	---	21	---
	30 GHz	dBm	---	21	---
	40 GHz	dBm	---	18	---
Noise Figure		dB	---	7	---
Input Return Loss (S11)		dB		-7	
Output Return Loss (S22)		dB	---	-10	
Supply Voltage		V	---	12	---
Supply Current		mA	95		115

Mechanism Information

Parameter	Unit	Value	Note
RF Connectors	mm	2.92	Female
Dimension*	mm	50	Length
	mm	15.5	Width
	mm	15	Height
Weight	g	29	

*without connectors

Typical Performances

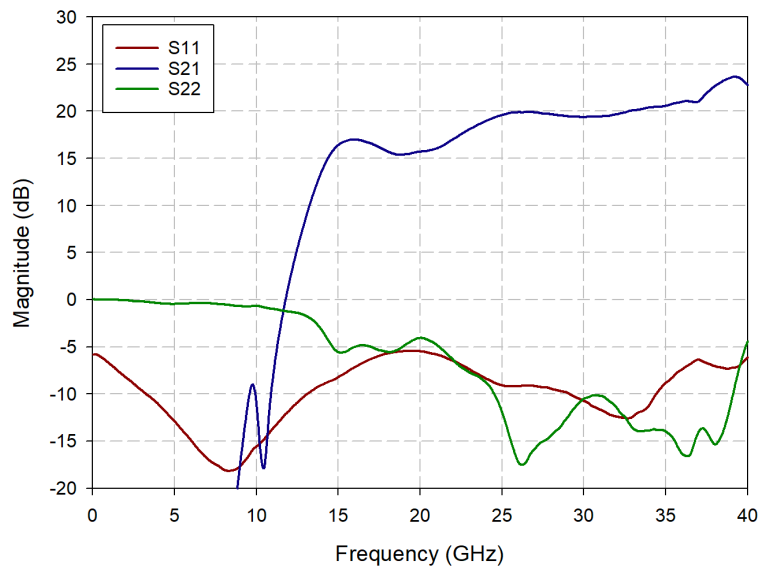


Figure 2. S-parameter Measurement Results

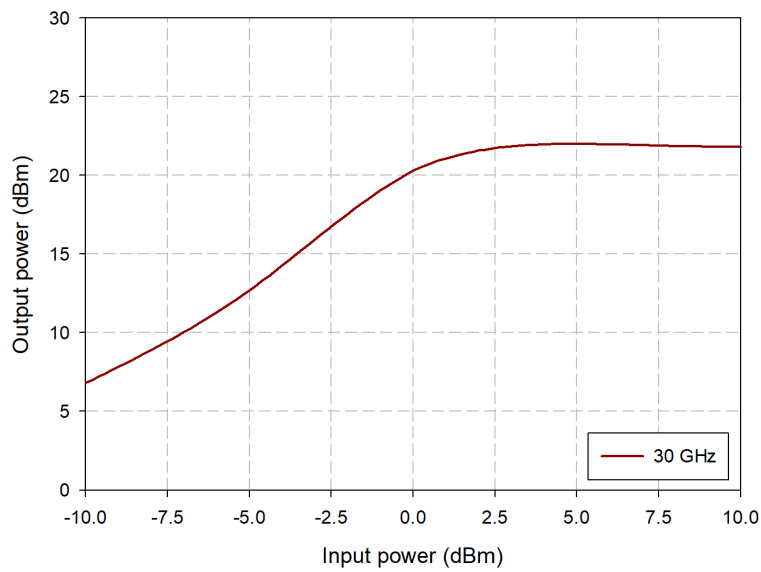


Figure 3. Output P1dB Measurement Results