

Features

- 17 dB Small Signal Gain
- +20 dBm Output P1dB Compression Point
- Compact Size with 15.2 x 50.1 x 14.6 mm



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

Device Specifications

Parameter	Conditions	Unit	Specification
Horizontal and Vertical Ports	---	---	2.92 mm (K-type)
Exposed Material	---	---	Aluminum+ gold plating
Weight	---	g	30
Main-Body Dimension	Length	mm	50
	Width	mm	15.17
	Height	mm	14.5

Typical Performances

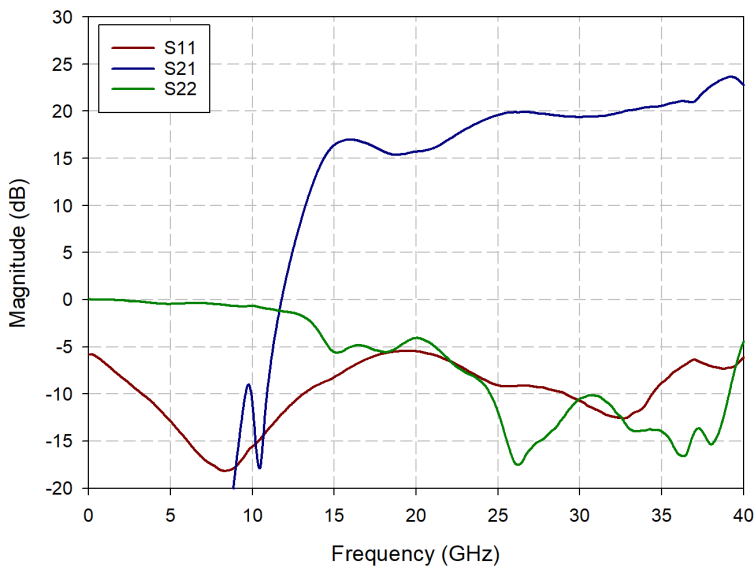


Figure 2. S-parameter Measurement Results

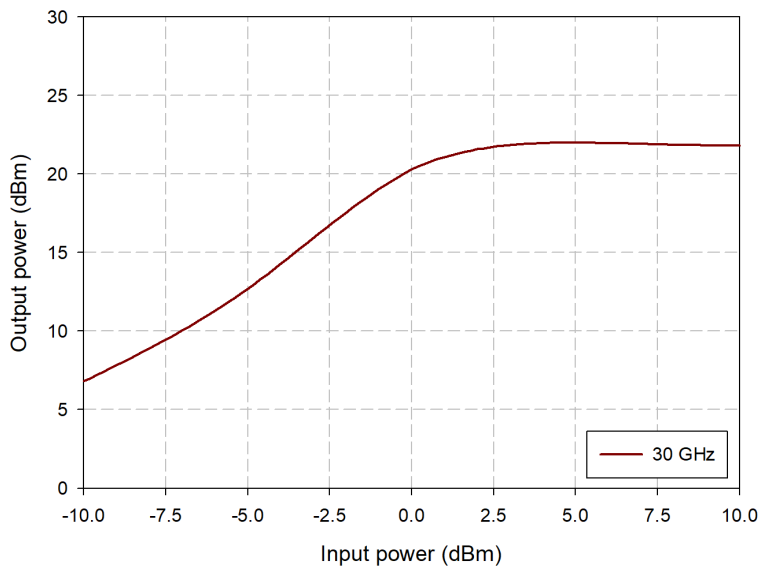


Figure 3. Output P1dB Measurement Results

Appearance

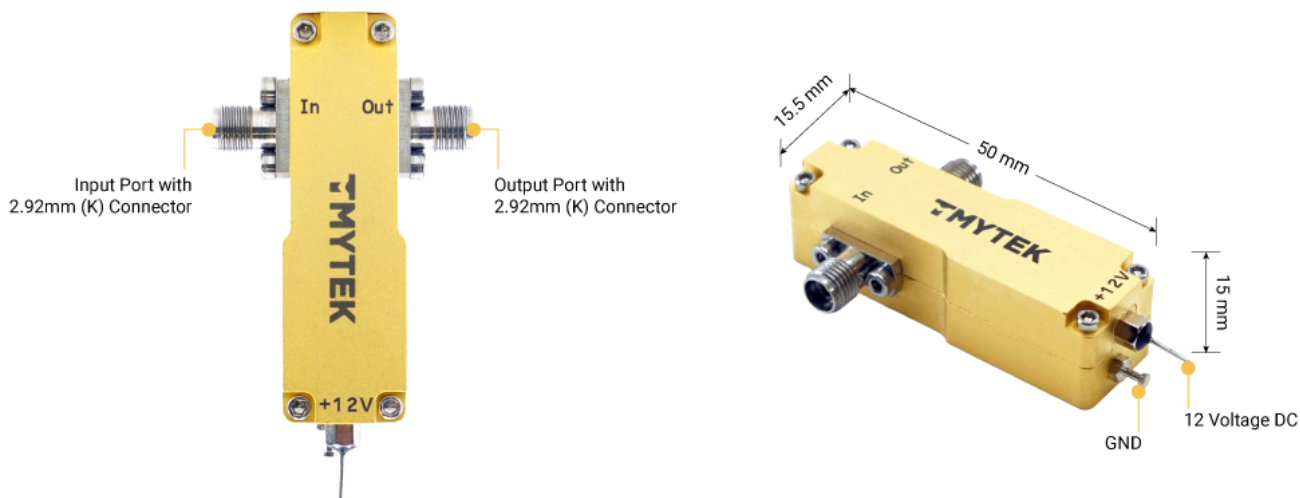


Figure 4. Appearance dimensions & Interface