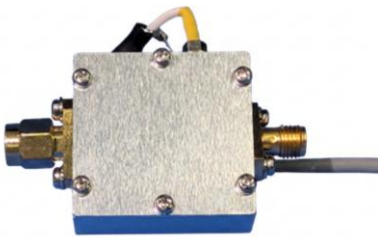


5 MHz to 4000 MHz Low-Noise Amplifier

Model : LAU-0054000-20

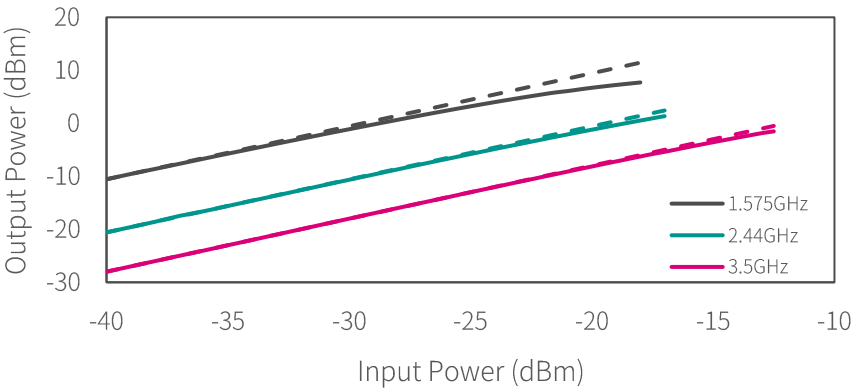
- A Low Noise Amplifier (LNA) module featuring a highly reliable SiGe MMIC, delivering high-gain and low-noise amplification across a broad frequency range of 5 MHz to 4000 MHz.
- Integrates an internal 100 V AC power supply unit, allowing direct operation from a standard wall outlet without the need for an external DC power supply.



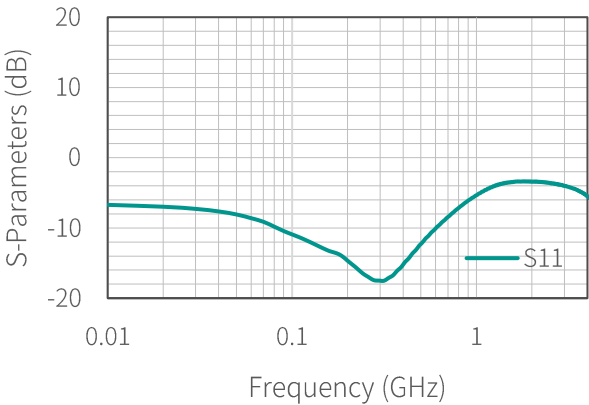
Specifications (Typ.)

	1.575 GHz	2.44 GHz	3.5 GHz
Gain (S21)	29.3 dB	20.1 dB	12.8 dB
Input Return Loss (S11)	-3.4 dB	-3.4 dB	-4.5 dB
Output P1dB	3.3 dBm	0.9 dBm	-1.0 dBm
Noise Figure	1.4 dB	2.0 dB	3.2 dB
Interface	SMA (Male) to SMA (Female)		
Power Supply	100V AC		
Size	30×30×12 mm		

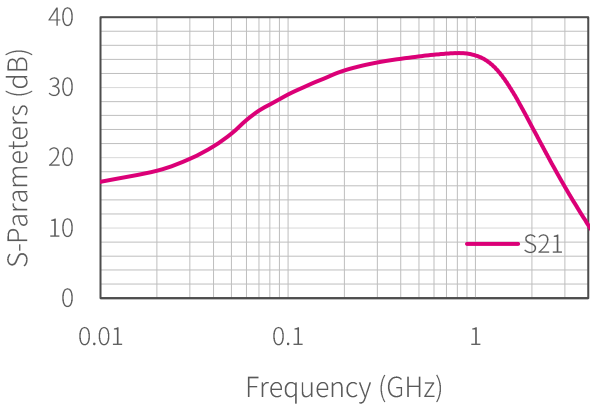
Measurement Results



Output P1dB Characteristics



Input Return Loss Characteristics



Gain Characteristics