

Low Noise Amplifier ADLNA0.5G18G24SF

Revision record

Date	Version	Author	Revision description	Comment
2024/12/12	V1.0	Vivian	Created	/
2025/01/23	V1.1	Vivian	Updated the Outline	/

Electrical specification

Parameter		Specification		
		Min.	Typ.	Max.
Frequency (GHz)		0.5		18
LNA ON, Bypass OFF	Gain (dB)	20		24
	Gain Flatness (±dB)		1.0	1.5
	Output Power P1dB (dBm)	19	21	
	Noise Figure (dB)		2.0	3.5
	VSWR in		1.8	2.0
	VSWR out		1.8	2.0
LNA OFF, Bypass ON	Insertion Loss		2.0	3.5
	Output Power P1dB (dBm)	22		
	VSWR in		1.8	2.0
	VSWR out		1.8	2.0
Voltage (V)		10	12	15
Current(mA)			220	
Control Signal, TTL		T0="0": LNA ON, Bypass OFF T0="1": LNA OFF, Bypass ON 0=0~0.5v, 1=3.3~5v.		
Working Temp.		-40~+70°C		
Storage Temp.		-55~+85°C		
Note		Vibration, Shock, Altitude will be guaranteed by design, no need to test!		

Mechanical specification

Parameter	Specification
Dimensions	25mm×40mm×12mm; (not including connectors)
Connector type	2-SMA Female, Connectors can be removed
Notes	Material shall be RoHS 6/6

Outline

