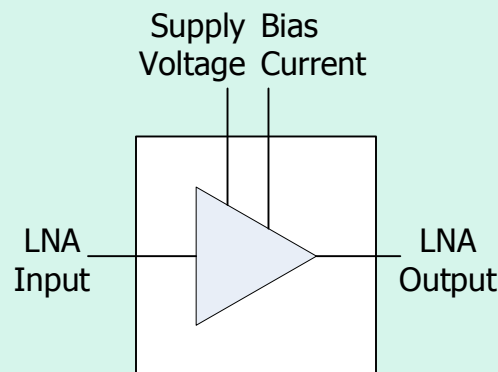


Product Summary

The SN038 is a Low Noise Amplifier with a very low power consumption. It is designed for operation at 2450MHz and is a single stage amplifier with a cascode input stage and a resonant LC load. The SN038 is designed on a 0.18um CMOS process.



Performance Summary

	Min	Typ	Max	Notes
Frequency of Operation (MHz)	2400		2500	
Supply Voltage (V)	1.2		1.8	
Current Consumption (uA)		1200		
S11 (dB)		-16		@2450MHz
Gain (dB)		24		@2450MHz, unloaded
Input 1dB Compression Point (dBm)		-15		@2450MHz
Reverse Isolation (dB)		TBU		@2450MHz
Noise Figure (dB)		TBU		

Deliverables

- GDSII Layout
- Footprint (LEF)
- Spice Netlist/ Schematics
- Detailed Technical Data
- Silicon Samples