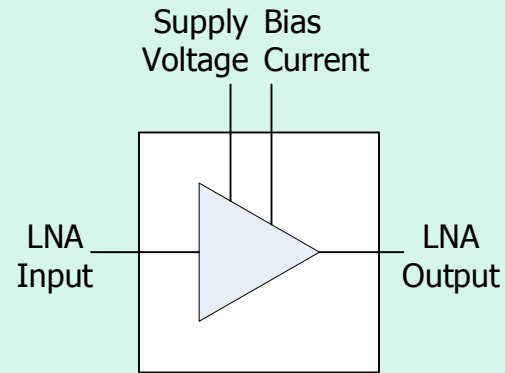


Product Summary

The SN035 is a Low Noise Amplifier with a very low power consumption. It is designed for operation in the 870MHz to 950MHz band and is a single stage amplifier with a cascode input stage and a resonant LC load. The SN035 is designed on a 0.18um CMOS process and measures 0.8mm x 0.7mm



Performance Summary

	Min	Typ	Max	Notes
Frequency of Operation (MHz)	850		960	
Supply Voltage (V)	1.2		1.8	
Current Consumption (uA)		560		
S11 (dB)		-16		@915MHz with 33nH series inductor at input
Gain (dB)		34		@915MHz, unloaded
Input 1dB Compression Point (dBm)		-18		@915MHz
Reverse Isolation (dB)		46		@915MHz
Noise Figure (dB)		<3		

Deliverables

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