

LOW POWER SINGLE CHANNEL OP-AMP

The **NJM8020/NJM8021** are single OP-Amps designed specifically to operate wide range of supply voltage and temperature.

These OP-Amps featured low input offset voltage of 2 mV max. low supply current of 0.7mA max. DC characteristics are also 100% tested and guaranteed from -40 to 125 °C. The NJM8020/NJM8021 are available in DFN6-G1 (1616) of small size package, significantly reducing the required portable application's board area.

FEATURES ($V_+ = +5V$, $V_- = 0V$, $T_A = 25^\circ C$)

- Guaranteed Temperature -40°C to +125°C
- Input Offset Voltage 2 mV max.
- Input Offset Voltage Drift 17 $\mu V/^\circ C$ max.
- Supply Current 0.7 mA max.
- Operating Voltage +3 V to +36 V or $\pm 1.5 V$ to $\pm 18 V$
- Integrated EMI filter EMIRR = 84 dB typ. @ $f = 1.8 GHz$
- GBW 1.1 MHz typ.
- GND sensing
- Internal ESD protection Human Body Model $\pm 2000 V$ typ.
- Package
 - NJM8020 SOT-23-5, SC-88A
 - NJM8021 SOT-23-5, SC-88A, DFN6-G1(ESON6-G1)

PIN CONFIGURATION

Parts Number	NJM8020F	NJM8020F3	NJM8021F	NJM8021F3	NJM8021KG1
Package Outline	SOT-23-5	SC-88A	SOT-23-5	SC-88A	DFN6-G1(*)
Pin Function	<p>(Top View) OUTPUT [1] [5] V+ V- [2] +INPUT [3] [4] -INPUT</p>	<p>(Top View) +INPUT [1] [5] V+ V- [2] -INPUT [3] [4] OUTPUT</p>	<p>(Top View) V+ [1] [6] V- N.C. [2] OUTPUT [3] [4] -INPUT</p> <p>Exposed Pad on Underside</p>		

EQUIVALENT CIRCUIT

