

## IC01 Ideal Operational Amplifier

### General Description

The IC01 is ideally suited to all circuits requiring an operational amplifier. It outperforms all other devices from competitors. The device is completely foolproof and cannot be damaged under any circumstances.

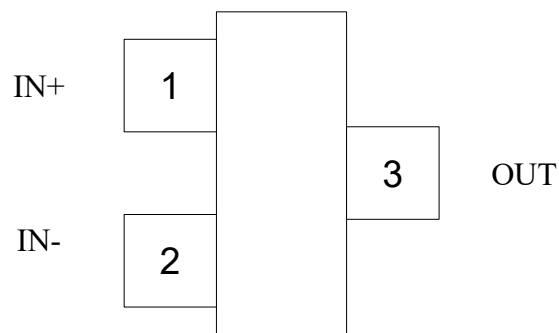
### Features

- Integrated Always-On Power Supply
- No Latchup
- Overload Protected
- Perfect for All Circuits and Applications

### Applications

- Industrial Equipment
- Medical Devices
- Consumer Products
- Analog Computers

### Pin Configuration



3-Pin SOT-23

### Ordering Information

Part Number	Package	Standard Lead Time
IC01TRPBF	3-SOT23	∞

## Absolute Maximum Ratings

Input Voltages	$\pm\infty$ V
Output Voltages	$\pm\infty$ V
Power Dissipation	0 W
Output Short Circuit Duration	Continuous
Operating Temperature Range	$\pm\infty$ °C
Storage Temperature Range	$\pm\infty$ °C
ESD Rating	$\pm\infty$ V

## Electrical Characteristics

Performance guaranteed by design over all ambient conditions.

Parameter	Conditions	Min	Typ	Max	Units
Supply Current <sup>1</sup>			0		A
Input Offset Voltage		0.0	0.0	0.0	V
Input Offset Current		0.0	0.0	0.0	A
Input Bias Current		0.0	0.0	0.0	A
Input Resistance	Differential	$\infty$	$\infty$	$\infty$	$\Omega$
	Common Mode <sup>2</sup>	$\infty$	$\infty$	$\infty$	$\Omega$
Input Voltage Range		$-\infty$		$+\infty$	V
Input Common Mode Range <sup>2</sup>		$-\infty$		$+\infty$	V
Open Loop Gain		$\infty$	$\infty$	$\infty$	
Output Voltage Swing <sup>3</sup>		$-\infty$		$+\infty$	V
Output Short Circuit Current <sup>3</sup>		$-\infty$		$+\infty$	A
Common Mode Rejection Ratio <sup>2</sup>		$\infty$	$\infty$	$\infty$	dB
Power Supply Rejection Ratio		$\infty$	$\infty$	$\infty$	dB
Gain-Bandwidth Product		$\infty$	$\infty$	$\infty$	Hz
Slew Rate		$\infty$	$\infty$	$\infty$	V/s
Input Voltage Noise Density		0	0	0	$nV/\sqrt{Hz}$
Input Current Noise Density		0	0	0	$nV/\sqrt{Hz}$
Capacitive Loading	No oscillation			$\infty$	F

Note 1: Power supplies are integrated.

Note 2: Referenced to any conveniently located ground.

Note 3: Use extreme caution while handling.