

## Low Power Dissipation Operational Amplifier

### PRODUCT DESCRIPTION

The MS321, MS358, MS324 are single channel, dual channel, four channel amplifiers respectively. It has high unit gain bandwidth and the slew rate could be up to 0.4V/ $\mu$ s on specific condition. Each amplifier only has 430 $\mu$ A quiescent current at 5V. The input common-mode range could be grounded. In addition, the device supports single or dual power operation, and easily drive large capacitance load.

The MS321, MS358, MS324 have lead SOT23-5, SOP8, SOP14/TSSOP14 and QFN16 packages respectively. The device is featured by low power dissipation, wide power supply range and economical price, allowing it to be applied widely.

### FEATURES

- Gain Bandwidth : 1MHz@25°C
- Low Power Supply Current: 430 $\mu$ A
- Low Input Bias Current: 30nA
- Power Supply Range: 2.5V to 36V
- Maintain Stable in Large Capacitance Load

### APPLICATIONS

- Charger
- Power Supply
- Industrial Control Tools
- Desktop Computer
- Communication

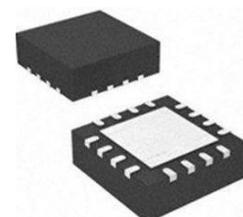
### PRODUCT SPECIFICATION

Part Number	Package	Marking
MS321	SOT23-5	321
MS358	SOP8	MS358
MS324	SOP14	MS324
MS324T	TSSOP14	MS324T
MS324N	QFN16	MS324N


**SOT23-5**

**SOP8**

**SOP14**

**TSSOP14**

**QFN16**