

## 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 :  $1MHz@25^{\circ}C$
- 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

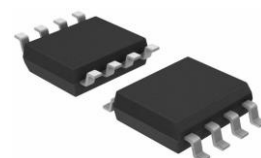
- Charger
- Power Supply
- Industrial Control Tools
- Desktop Computer
- Communication

### PRODUCT SPECIFICATION

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



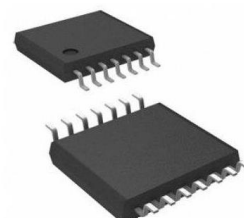
SOT23-5



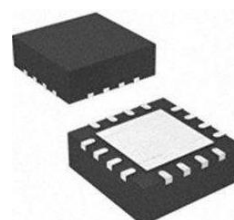
SOP8



SOP14



TSSOP14



QFN16