

Op - Amp. & Comparators

Features:

- Two independent, high gain, internally frequency compensated op amps
- Wide Supply Voltage Range Single & Split Supply
- Very Low Supply Current Drain typ 0.4 mA independent of supply voltage
- Low Input Biasing current and offset current
- High precision comparators
- Allows sensing near ground and Output voltage near to GND
- Compatible with all forms of logic
- Power Drain suitable for battery operation

Application:

Battery Charger, Switching Power Supply, Consumer Product, Industrial Application, PC & PC Peripheral, Telecommunication

| Part No. | V _{CC} (V) | Supply Current | Channels | Slew rate | Input Offset Voltage | Gain Bandwidth | Package |
|----------|---------------------|----------------|----------|---------------|----------------------|----------------|--------------|
| GM358 | ± 16 | 2.0mA | 2 | 0.1V/ μ S | 9.0mV | 1MHz | SOP-8, DIP-8 |
| GM393 | ± 18 | 0.4mA | 2 | 0.4V/ μ S | 3mV | 1MHz | SOP-8, DIP-8 |

Op - Amp. & Voltage References

Features:

- Space and cost saving for power management and power supply
- Wide Supply Voltage Range typ 3V to 32V
- High Precision 0.4% of Programmable or 2.5V Voltage Reference
- Low Input Offset Voltage typ 0.5mV
- Low Supply Current typ 350 μ A
- Large output voltage swing

Application:

Switching Mode Power Supply, Power Management, Data Acquisition, Battery Charger, Linear Regulator

| Part No. | Supply Range (V) | V _{REF} (V) | Op-Amps V _{io} (max) | I _{CC} (Typ.) | Precision (%) | GBP MHz. (Typ) | SR V/ μ S (Typ) | I _{OUT} sink | Current Generator | Package |
|----------|------------------|----------------------|-------------------------------|------------------------|---------------|----------------|---------------------|-----------------------|-------------------|----------------|
| GMA101A | 4.5 to 36 | 1.24 | 5mV | 2mA | 2 - 1 - 4 | 1 | - | 15mA | 1.4mA | SOP-8, DIP-8 |
| GMA102A | 4.5 to 36 | 2.5 | 4.5mV Comp: 5mV | 0.8mA | 0.4 | 2.1 | 2 | - | - | SOP-16 |
| GMA103A | 3.0 to 36 | 2.5 | 3mV/ 5mV | 0.7mA | 0.02 | 0.9 | 0.4 | - | - | SOP-8, DIP-8 |
| GMA104A | 3.0 to 36 | 2.5 | 3mV/ 5mV | 1.4mA | 0.4 | 0.9 | 0.3 | - | - | SOP-16, DIP-16 |

* For more information about new product, please contact our sales office or distributors.