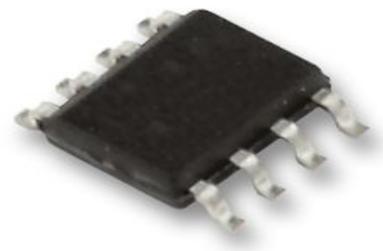




MCP661_2_3_5 60 MHz, 6 mA Op Amps

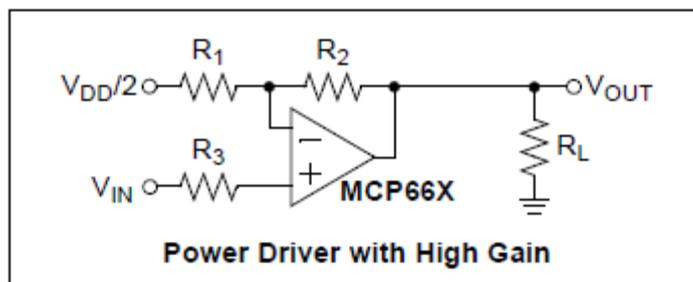
General Description:

The MCP661/2/3/5 family of operational amplifiers features high gain bandwidth product, and high output short circuit current. Select devices also offer a Chip Select pin that supports a low power mode of operation. These amplifiers are optimized for high speed, low noise and distortion, single-supply operation with rail-to-rail output and an input that includes the negative rail.



Key Features:

- Gain Bandwidth Product: 60 MHz (typical)
- Short Circuit Current: 90 mA (typical)
- Noise: 6.8 nV/ $\sqrt{\text{Hz}}$ (typical, at 1 MHz)
- Rail-to-Rail Output
- Slew Rate: 32 V/ μs (typical)
- Supply Current: 6.0 mA (typical)
- Power Supply: 2.5V to 5.5V
- Extended Temperature Range: -40°C to +125°C



Applications:

- Driving A/D Converters
- Power Amplifier Control Loops
- Barcode Scanners
- Optical Detector Amplifier

Related Products Information:

Mfr Part #	Farnell #	Newark #	Description
MCP661-E/SN	1800224	24R6842	60 MHz, 6 mA Op Amps offered in single - SOIC

MCP662-E/SN	1800225	24R6845	60 MHz, 6 mA Op Amps single with CS pin - SOIC
MCP663-E/SN	1800226	24R6848	60 MHz, 6 mA Op Amps offered in dual - SOIC
MCP665-E/UN	1800227	24R6851	60 MHz, 6 mA Op Amps dual with two CS pins - MSOP

