

Features

- Autozero of output offset to <10mV
- 3 selectable gains; 8K Ω , 15K Ω , 40K Ω
- Space saving QSOP-24 package
- Differential Sum & Sum-Bar outputs
- Single 5V supply

Applications

- DVD RAM, R/W and ROM
- CD R/W, R and ROM
- MO drives
- Optical Pickup pre-amplifier
- Servo positioning systems
- High speed instrumentation

Ordering Information

Part No	Temp. Range	Package	Outline #
EL6261CU	0°C to +70°C	QSOP-24	MDP0040

General Description

The EL6261C consists of 4 20MHz trans-impedance amplifiers and 4 80MHz trans-impedance amplifiers. The four 80Mhz amplifier outputs also are averaged to provide differential 80MHz outputs.

The EL6261C is designed to amplify the photo diode currents for CD, DVD, or other photo diode pick-up applications.

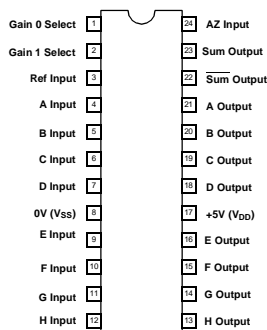
Two TTL/CMOS compatible inputs select the gain for all eight amplifiers. The gain settings are 8K Ω , 15K Ω and 40K Ω for all channels. The sum and sumbar outputs are 11K Ω , 20K Ω and 53K Ω single ended. Gain matching is typically 3%, channel to channel. An auto-zero input brought high after power up reduces the output offsets to less than 10mV.

The E,F,G,H channel bandwidths are 20MHz for all gains and reasonable input and output loads. The A,B,C,D,S, \bar{S} channels have bandwidths of 80MHz, 45MHz, and 25MHz at low, middle, and high gains respectively.

Each amplifier output can sink or source up to 5mA, and their outputs can swing 1Vp-p at full bandwidth.

The EL6261C operates from a single +5V supply, and is available in QSOP-24 package. It is specified for operation from -0°C to 70°C

Connection Diagram



24-Pin QSOP

EL6261C Product Brief

Quad 20MHz & Quad, 80MHz, Switched Gain Pre-Amp

General Disclaimer

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