

Features

- Small SOT-23 and MSOP-8 packages
- Frequency to 430MHz min.
- Amplitude to 25mA_{p-p} min.
- Output tristate function (MSOP-8)
- Power-down function (MSOP-8)
- Single +3.5V to +5.0V supply
- Simple to use - only two external resistors required
- Independent resistor setting for frequency and amplitude.

Applications

- DVD players
- DVD-ROM drives
- DVD-RAM drives
- CD-RW drives
- MO drives
- Optical pickup head assembly
- Laser diode modulation
- Local oscillator
- Communications lasers

Ordering Information

Part No	Temp. Range	Package	Outline #
EL6201CY	0°C to +75°C	8-Pin MSOP	MDP0043
EL6201CW	0°C to +75°C	5-Pin SOT23	MDP0038

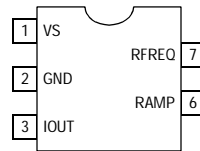
General Description

The EL6201C is a solid state high performance laser modulation oscillator with external resistor adjustable frequency and amplitude. The EL6201C is available in both the 8-pin MSOP and the 5-pin SOT23, to enable device placement close to the laser for reduced EMI.

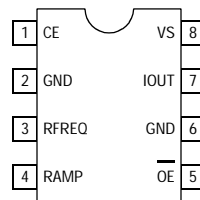
The oscillator frequency is set by connecting a single external resistor from the RFREQ pin to ground. The oscillator current output amplitude is set by connecting a single external resistor from the RAMP pin to ground. The oscillator in the MSOP package also contains a high speed output disable function using the OE pin. The OE pin can be driven by a high speed timing signal to control precise laser modulation during read/write operations. The output current is disabled when a logical zero 'L' is driven to the CE pin. Supply current is reduced to microamps when CE = LOW.

The EL6201C has internal supply bypass capacitors to reduce oscillation noise spread through supply connections.

Connection Diagram



5-Pin SOT23



8-Pin MSOP

Note: All information contained in this data sheet has been carefully checked and is believed to be accurate as of the date of publication; however, this data sheet cannot be a "controlled document". Current revisions, if any, to these specifications are maintained at the factory and are available upon your request. We recommend checking the revision level before finalization of your design documentation.

EL6201C - Product Brief

Low Power 430 MHz HFM Oscillator w/Disable

General Disclaimer

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