

Features

- Small 5-pin SOT-23 package
- Frequency to 450 MHz typ.
- Amplitude to 100mA pk/pk typ.
- 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
- Optical disk drives
- 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 #
EL6200CW	0°C to +70°C	5-Pin SOT23	MDP0038

Complete Product Specifications Elantec Technical Support:

North America: 1-888-352-6832 X 311
Asia: +85-45-682-5820
Europe: +44-18-977-6020

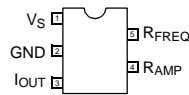
General Description

The EL6200C is a solid state high performance laser modulation oscillator with external resistor adjustable frequency and amplitude. The EL6200C is available in the 5-pin SOT23 to enable device placement close to the laser for reduced EMI signature.

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 EL6200C has internal supply bypass capacitors to reduce oscillation noise spread through supply connections.

Connection Diagram



5-Pin SOT23

EL6200C - Product Brief

450 MHz HFM Oscillator

General Disclaimer

Specifications contained in this product brief are in effect as of the publication date shown. Elantec Semiconductor, Inc. reserves the right to make changes in the circuitry or specifications contained herein at any time without notice. Elantec Semiconductor, Inc. assumes no responsibility for the use of any circuits described herein and makes no representations that they are free from patent infringement.

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HIGH PERFORMANCE ANALOG INTEGRATED CIRCUITS

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