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M02061



4.3 Gbps, 3.3 or 5V Laser Driver

Up to 4 Gbps SFF/SFP Laser Driver in 4X4 MLF Package The M02061 is a highly integrated, programmable laser driver intended for SFP/SFF module applications to 4.25 Gbps. Using differential PECL data and clock inputs, the M02061 supplies the bias and modulation current required to drive an edge-emitting laser. The M02061 includes automatic power control to maintain a constant average laser output power over temperature and life. In addition, the modulation current can be temperature compensated to minimize variation in extinction ratio over temperature. Many features are user adjustable, including the automatic power control (APC) loop bias control (via a monitor photodiode), modulation current, temperature compensation control of modulation current, and pulse-width adjustment.

- [Features](#)
- [Specifications](#)
- [Technical Resources](#)
- [Support](#)

- [Ordering](#)

Features

- Ideal for SFP/SFF modules from 155 Mbps to 4.25 Gbps
- Programmable temperature compensation
- 3.3 V or 5 V operation
- Automatic laser power control, with "slow-start"
- DC or AC coupled modulation drive, up to 100 mA of modulation current available when AC coupled
- Supports SFF-8472 diagnostics

Applications

- Enterprise Solutions
- Optical Networking

Specifications

- Max Output Mod Current: 2.5 mA
- Max Data Rate: 4.3 Gbps
- Max Output Bias Current: 100 mA
- Driver Input Sensitivity: 200 mV

Datasheet

- [M02061-12 -21 - V6.pdf](#)

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Part Number	Package	MACOM	Richardson RFPD	Mouser	
M02061-21EVM					Inquire
M02061-21 Evaluation Kit					
M02061EVM					Inquire
M02061 Evaluation Kit					
M02061G-12					In Stock: 70
LASER DRIVER TO 4.25GBPS	4X4MM QFN-24LD				Buy
M02061G-21					In Stock: 67
LASER DRIVER TO 4.25GBPS	4X4MM QFN-24LD				Buy
					In Stock: 361
					Buy

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