

Electro Optical Components, Inc.

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Confidential

Solutions in LDM series

Low Q circuit

EOC

10

LDM series has patented low Q output circuit which is effective to reduce over/under shoot of current waveform without any external components.

LD light wave form (Ibias < Ith)



LD light wave form (Ibias > Ith)



LD drive current wave form

Intelligent Analog http://www.sensor-ic.com/ TEL: 0755-83376489 FAX:0755-83376182 index.

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Solutions in LDM series

Multi-channel drive circuit

LDI

LDM series has 3 laser drive circuit in each module.Usually ch-1 is used for bias current drive, and ch-2/3 are used for high current pulse drive. You can realize various current wave form using this ch-1 to 3 combination as below.

Also each channel can drive LD as CW driver.



LDM400MAF can drive LD as nearly multi-mode laser in order to reduce mode hopping noise. High frequency oscillator is adjustable its frequency from 250 to 450MHz and amplitude up to 100mAp-p.



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