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#### Electro Optical Components, Inc.

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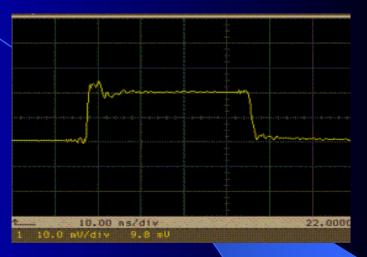
#### Confidential

## **Solutions in LDM series**

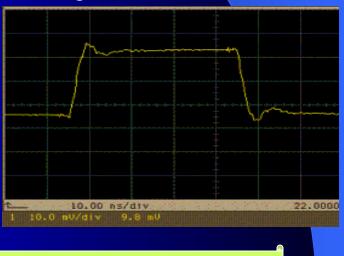
### Low Q circuit

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)

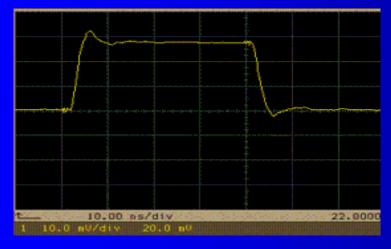


#### LD light wave form (Ibias > Ith)



Linear Design Inc.

#### LD drive current wave form



#### Intelligent Analog

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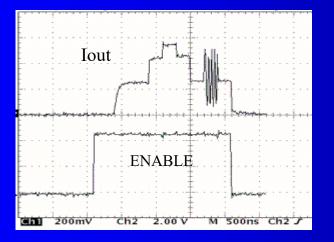
# LDI

## **Solutions in LDM series**

#### Multi-channel drive circuit

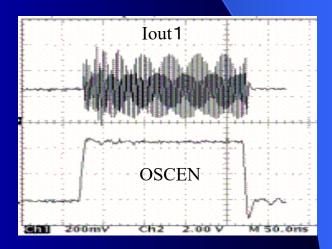
LDM series has 3 laser drive circuit in each module.Usually ch-1 is used for bias current drive, and ch-2/3 are used for high current pulse drive. You can realize various current wave form using this ch-1 to 3 combination as below.

Also each channel can drive LD as CW driver.



## High frequency modulation

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.



#### Linear Design Inc.

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