



Confidential

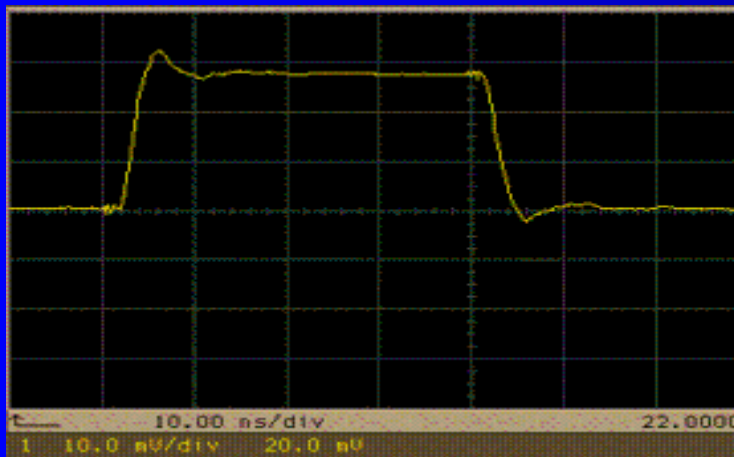


Solutions in LDM series

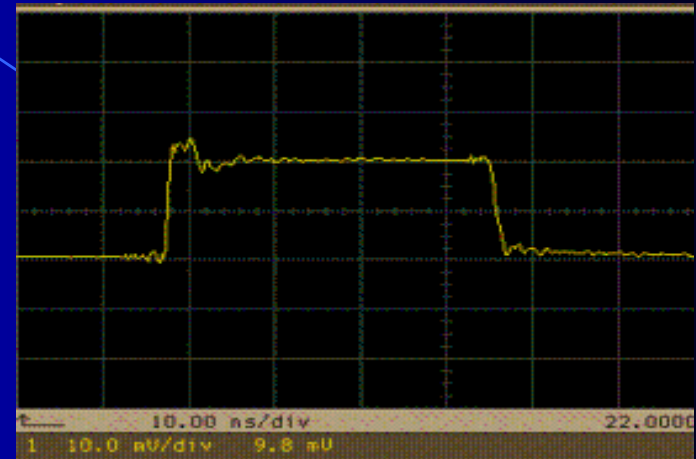
Low Q circuit

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

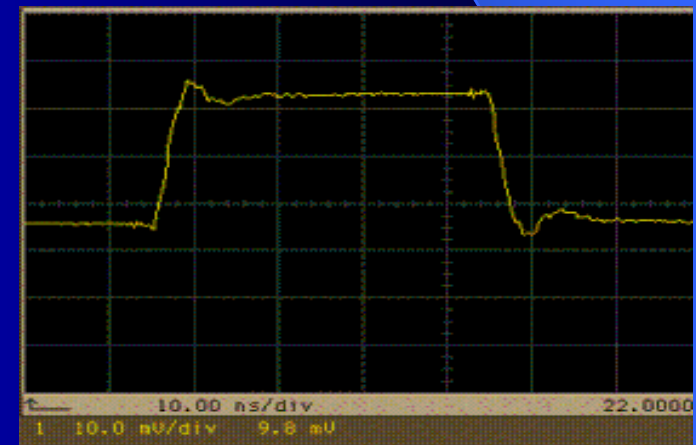
LD drive current wave form



LD light wave form ($I_{bias} < I_{th}$)



LD light wave form ($I_{bias} > I_{th}$)



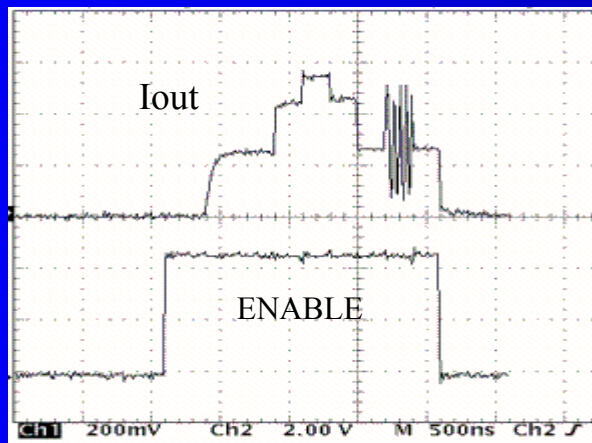


Solutions in LDM series

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 100mA_{p-p}.

