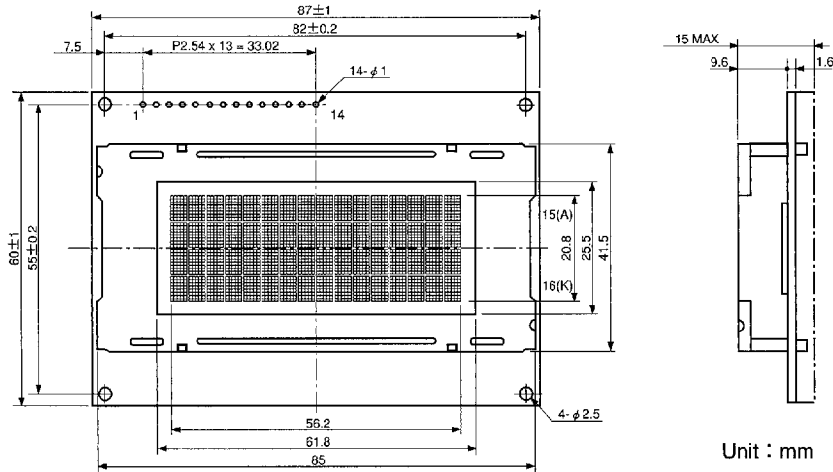
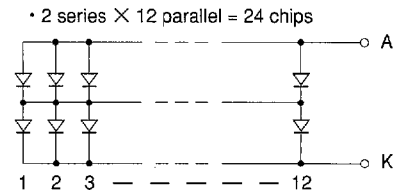


GMD1640ALY With LED BACKLIGHTING

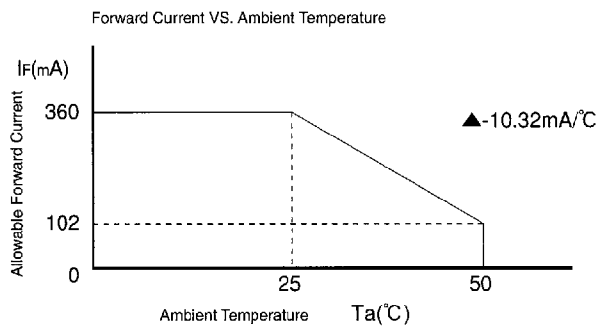
● Module Dimensions (with LED Backlighting)



● Circuit Diagram of LED Backlighting

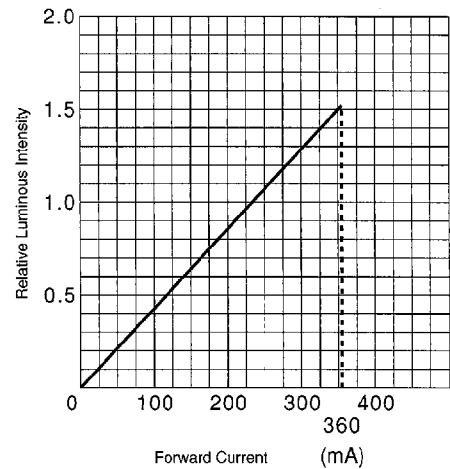


● Characteristics of LED Backlighting



※ The ratings and characteristics of LCD modules are specified with the assumption that the forward current supplied to the LED units will be varied according to the ambient temperature.

Relative Luminous Intensity VS. Forward Current



● Absolute Maximum Ratings and Characteristics of LED Backlighting

Ta=25°C

Item Symbol Rule Part Number (*Emitted Color) LED Chip	Absolute Maximum Ratings			Electro-Optical Characteristics									
	Forward Current	Reverse Voltage	Power Dissipation	Forward Voltage		Reverse Current		Luminous Intensity		Peak Wavelength			
				Condition	Condition	Condition	Condition	Condition	Condition				
	I _F	V _R	P _d	V _F	I _F	I _R	V _R	I _v	I _F	λ _p	I _F		
MAX.	MAX.	MAX.	TYP.	MAX.	—	MAX.	—	TYP.	—	TYP.	—		
GMD 1640ALY (Yellow)	PY	360	8	1660	4.3	4.6	240	240	8	85	240	570	240
Unit		mA	V	mW	V	mA	μA	V	cd/m ²	mA	nm	mA	

Note: Above specifications should be applicable to the LED backlighting itself.