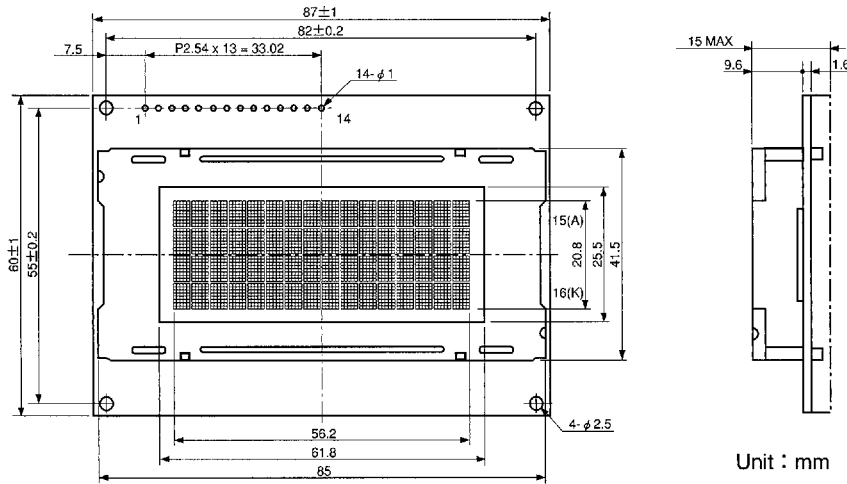
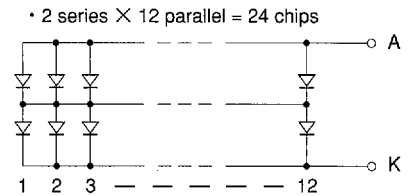


GMD1640ALY With LED BACKLIGHTING

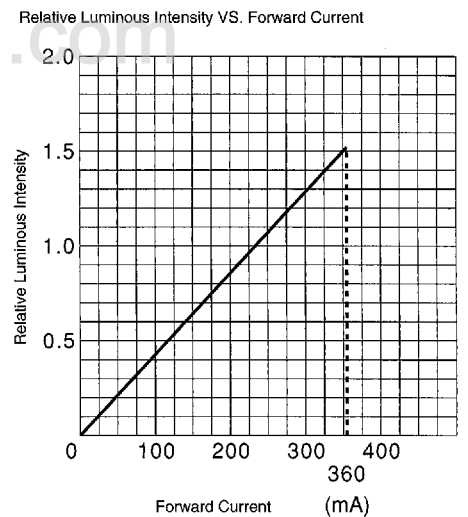
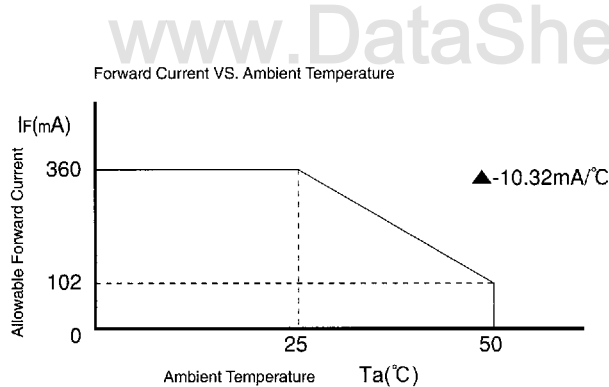
Module Dimensions (with LED Backlighting)



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.

Absolute Maximum Ratings and Characteristics of LED Backlighting

Ta=25°C

Item	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.