MODEL NO. : ML37B25H-GED

■Features:

- HIGH EFFICIENCY, LOWPOWER CONSUMPTION LED.
- PEAK WAVELENGTH IS 465nm
- DIMINANT WAVELENGTH 470nm
- 40 DEGREE VIEW ANGLE

■Applications:

- DIRECT LIGHT ONLY

Dics Material	Light Color	Lens Color
InGaN	Blue	Blue Diffused

Absolute Ratings (Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	P_D	110	mW
Continuous Forward Current	I_F	25	mA
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Derating Linear Form 25° C		0.36	MA/° C
Operating temperature Range	Topr	-20 to +80	° C
Storage Temperature Range	Tstg	-30 to +85	° C

****Condition for IFP is pulse of 1/10 duty and 0.1 msec width.**

****Solder temperature 1.6mm from body for 5 seconds at 250° C ±5° C.**

****Caution in ESD: Static Electricity and surge damages the LED. It is recommend to use a wrist band or anti-electrostatic glove when handling the LED. All devices, Equipment and machinery must be properly grounded.**

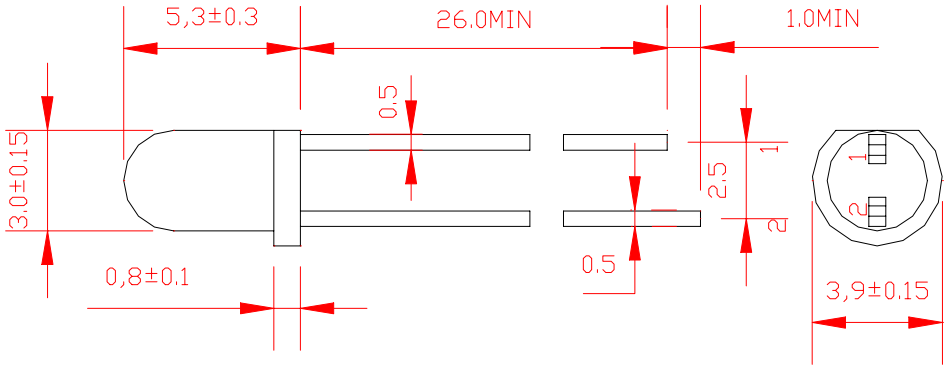
CHARAC TERISITIC (Ta=25° C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	IF=20mA		3.5	4.0	V
Reverse Current	I_R	VR=5V			10	uA
Dominant Emission Wavelength	λ_D	IF=20mA	455	465		nm
Viewing Angle	$2\theta_{1/2}$	IF=20mA		40		Deg
Luminous Intensity	I_V	IF=20mA	170	350		mcd

◆ **Package Dimensions (Unit: mm)**

P-2

1. Cathode
2. Anode



◆ Typical Optical-Electrical Characteristic Curves

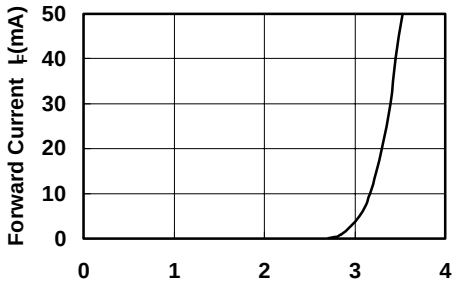


FIG1. FORWARD CURRENT VS. FORWARD VOLTAGE

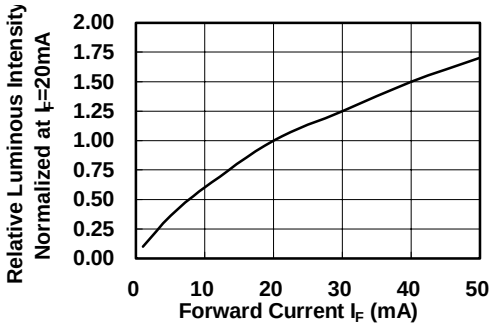


FIG2. RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

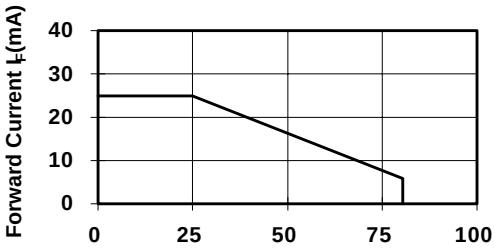


FIG3-27. FORWARD CURRENT VS. AMBLENT TEMPERATURE

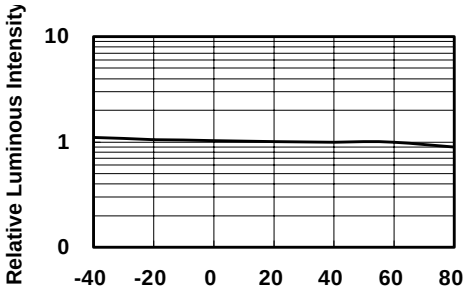
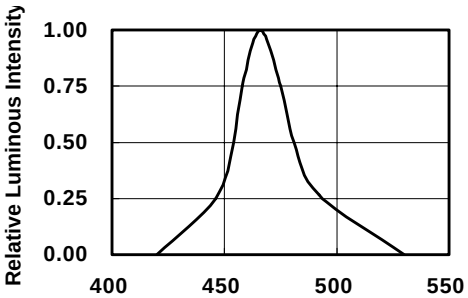


FIG4. LUMINOUS INTENSITY VS. AMUBIENT TEMPERATURE



RELATIVE INTENSITY LUMINOUS VS. WAVELENGTH