



MASTER INSTRUMENT CORPORATION

MODEL NO. : MUB50B3-30-15

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■Features:

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

■Applications:

- DIRECT LIGHT ONLY

Dics Material	Light Color	Lens Color
InGaN	Blue	Water Clear

Absolute Ratings

(Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	80	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	8	V
Derating Linear Form 25°C		0.36	MA/°C
Operating temperature Range	Topr	-25 to +80	°C
Storage Temperature Range	Tstg	-40 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 265°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.**

CHARACTERISITIC

(Ta=25°C)

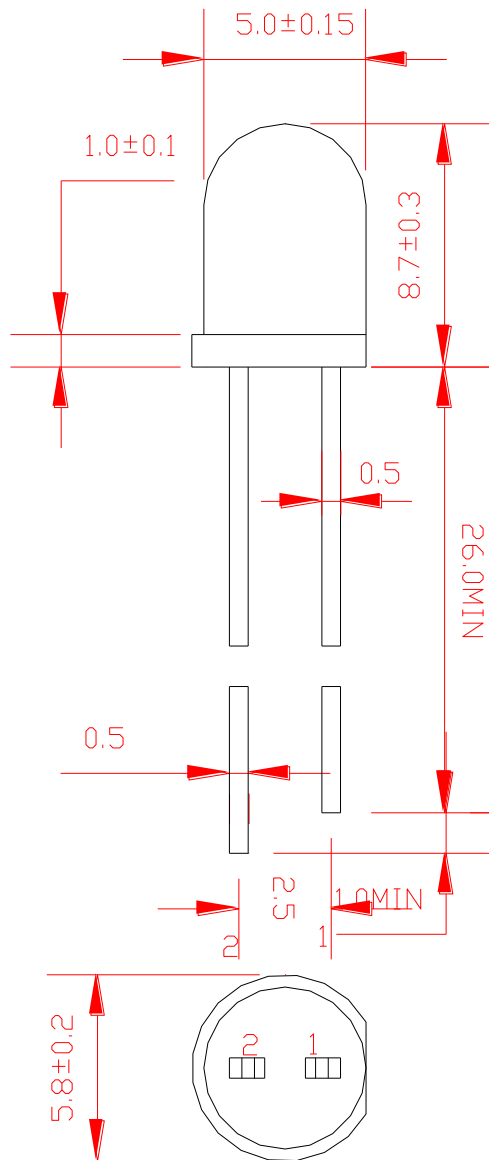
Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	IF=20mA		3.0	3.6	V
Reverse Current	I _R	VR=8V			5	uA
Peak Emission Wavelength	λ _p	IF=20mA		465		nm
Viewing Angle	2θ _{1/2}	IF=20mA		15		Deg
Luminous Intensity	I _v	IF=20mA	8000	11000		mcd



◆ Package Dimensions (Unit: mm)

P-8

- 1. Cathode
- 2. Anode



Protruded resin under flange 1.0mm MAX



◆ Typical Optical-Electrical Characteristic Curves

