

## 460nm single color LED Diode



- **Product Description**

The 460m visible emitter series is designed for applications requiring high output and precise optical / mechanical axis alignment. Custom package solutions and sorting are available.

- **Product features**

Hermetically Sealed TO-46; High Output Power; High Reliability; Narrow Beam Angle

- **Part Number**

MP-LED-460-8-TO46

## ● Application area

Color Sensor / Money Bill | Paper Sensor / Money Bill | Bar-code Reader

## ● Core parameters

Center wavelength
460nm

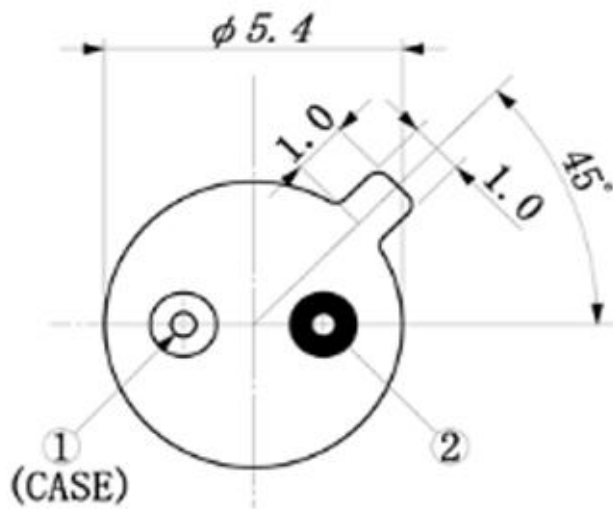
## ● General Parameters

Absolute Maximum Ratings (Ta=25°C)

Items	Symbol	Ratings	Unit
Forward Current(DC)	IF	50	mA
Forwarded Current(Pulse)*1	IFP	0.5	A
Reverse Voltage	VR	5	V
Power Dissipation	PD	120	mW
Operating Temperature Range	Topr	-20 ~ +85	°C
Storage Temperature Range	Tstg	-30 ~ +100	°C
Junction Temperature	Tj	100	°C
Lead Soldering Temperature*2	Tls	260	°C

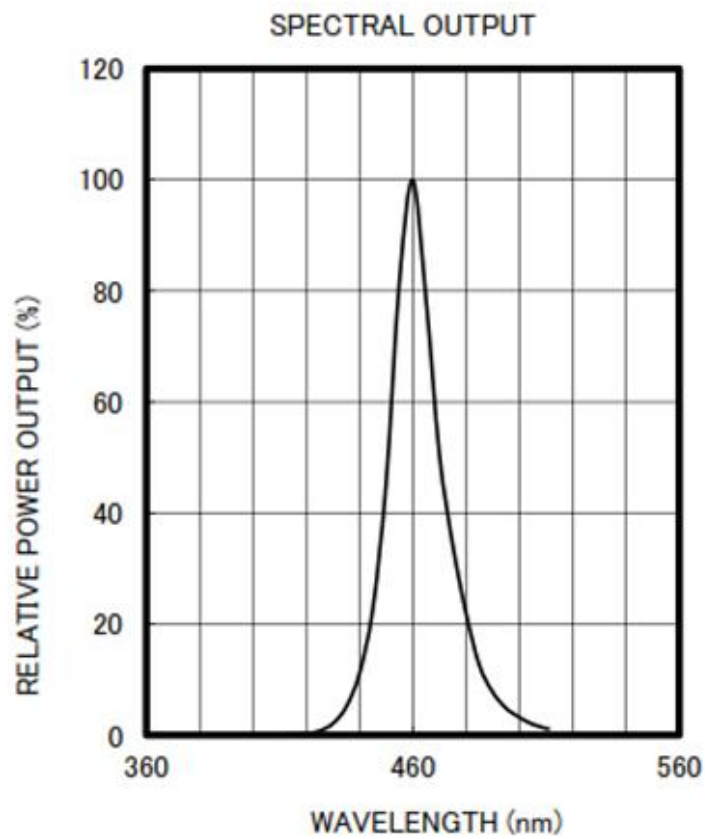
\*1: Tw=10μsec, T=10msec. \*2: Time 5 Sec max, Position: Up to 3mm from the body.





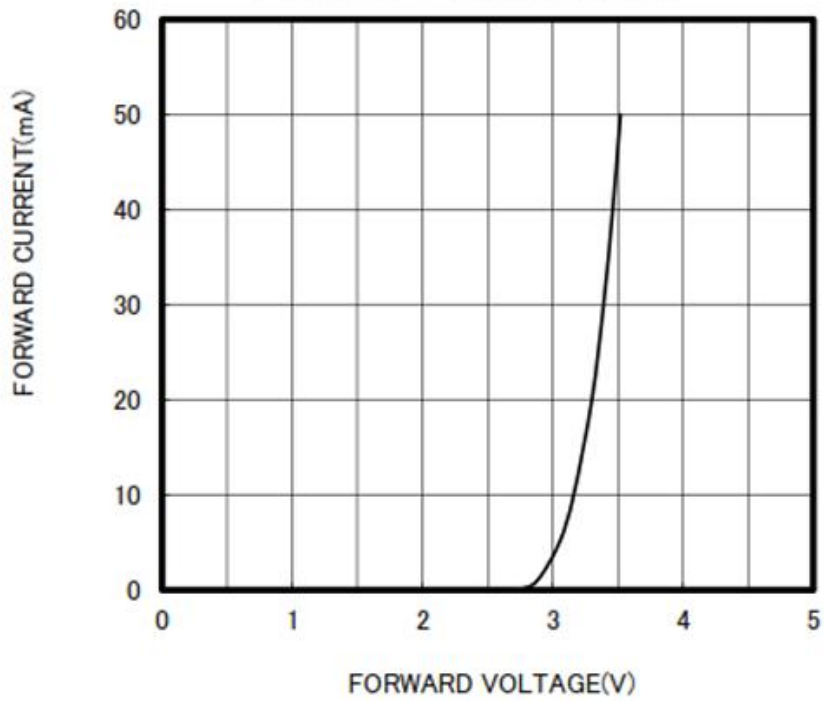
① Anode

② Cathode

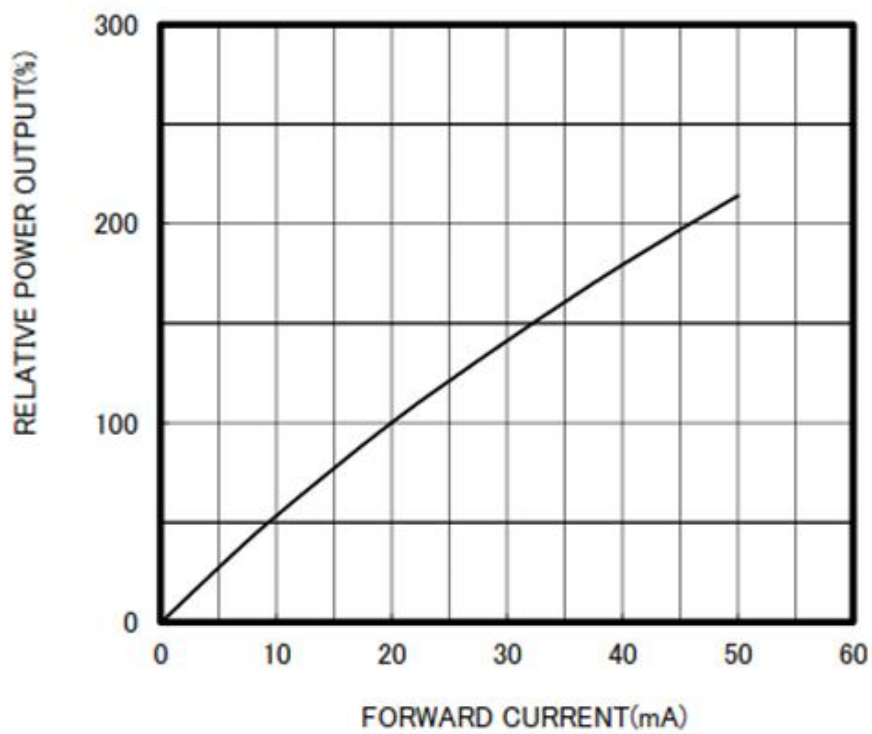




FORWARD I-V CHARACTERISTICS

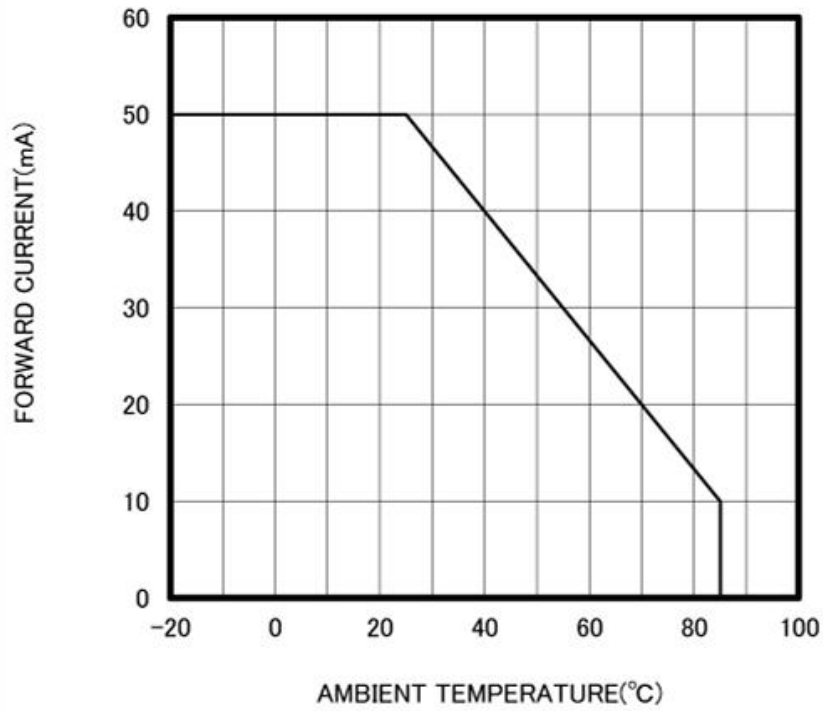


RELATIVE POWER vs FORWARD CURRENT





THERMAL DERATING CURVE



RADIATION PATTERN

