

Product No: MTE3650L4-UV-HP

## Peak Emission Wavelength: 365nm

The MTE3650L4-UV-HP emitter is specifically designed for applications requiring high radiant power output and accuracy in a TO-39 hermetically sealed package with a special UV glass lens for optimum life time and device performance. Custom package solutions and sorting are available.

### **FEATURES**

- > Hermetically Sealed TO-39
- > High Reliability
- > Wide Viewing Angle

## **APPLICATIONS**

- > Color Sensor (Money-Bill)
- > Bio Medical Sensing
- > UV Curing



# Absolute Maximum Ratings (Ta=25°C)





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ITEMS	SYMBOL	RATINGS	UNIT	lead-free	ROMS
Forward Current (DC) *3	IF	300	mA		
Forward Current (Pulse) *1	IFP	1	A		
Reverse Voltage	VR	5	V		
Power Dissipation	PD	1200	mW		
Operating Temperature	Topr	-20 to +80	°C		
Storage Temperature	Tstg	-40 to +100	°C		
Soldering Temperature *2	Tsol	260	°C		

# Electrical & Optical Characteristics (Ta = 25°C)

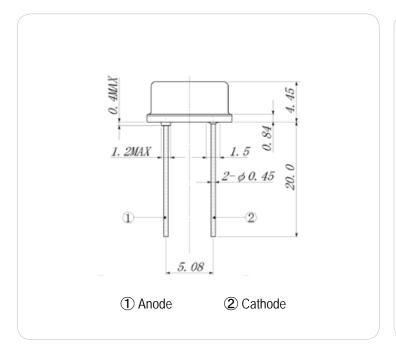
ITEMS	SYMBOL	CONDITIONS	MIN.	TYP	MAX.	UNIT
Peak Wavelength	λр	IF=100mA		365		nm
Power Output	PO	IF=100mA		70		mW
Spectral Line Half Width	Δλ	IF=100mA		15		nm
Forward Voltage	VF	IF=100mA		3.5	4.0	V
Reverse Current	IR	VR=5V			100	uA
Viewing Angle	2 <del>0</del> <sub>1/2</sub>	IF=100mA		90		deg

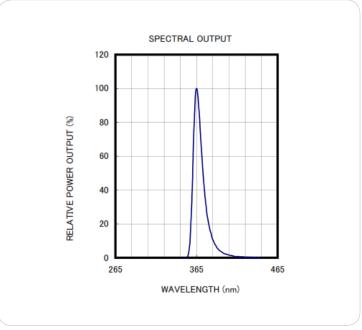
2017-08-09

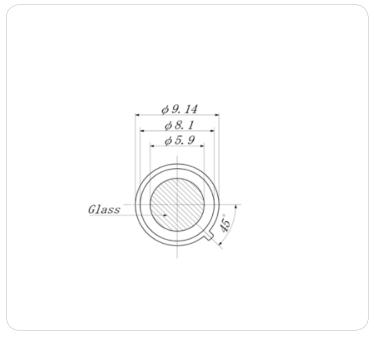


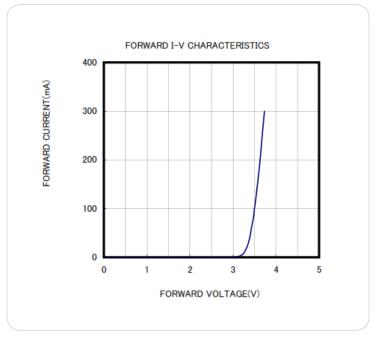








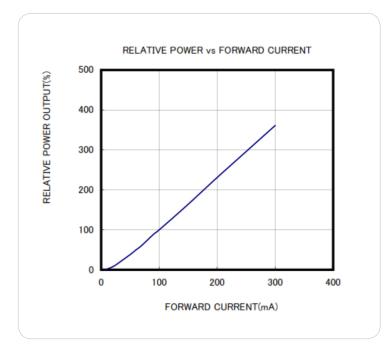


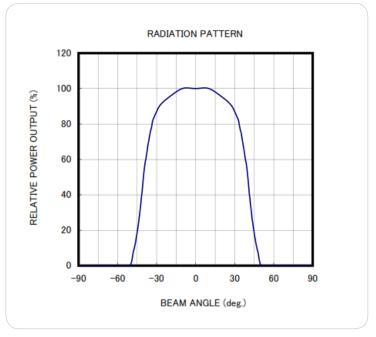


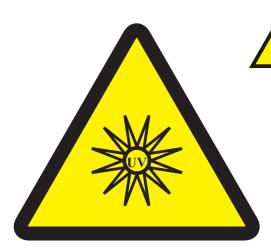
Unit: mm

2017-08-09









- 1. LEDs emit very strong UV radiation during operation.
- 2. Don't look directly into the LED light when in operation as UV radiation can harm your eyes.
- 3. To prevent even inadequate exposure, wear protective eyewear.
- 4. If LEDs are embedded in devices, please indicate warning labels against the UV LED used.
- 5. Avoid prolonged exposure to skin or other tissue during operation.
- 6. Keep out of reach of children.
- 7. Take appropriate precautions around pets and other living organisms to avoid UV exposure.
- 8. Specification and dimension are subject to change without notice.

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