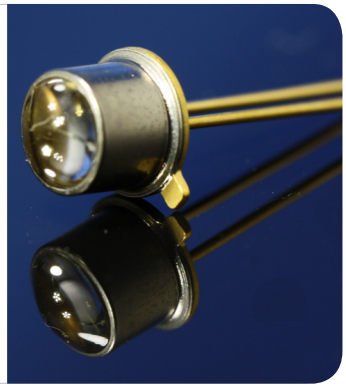
Marktech Optoelectronics

Visible Red Emitter

Product No: **MTE7063NK2-UR**

Peak Emission Wavelength: 630nm

The 630nm Visible Red Emitter series is designed for applications requiring high output and precise optical / mechanical axis alignment. Custom package solutions and sorting are available.



FEATURES

> Parallel Rays (Excellent)
> High Output Power
> High Reliability

APPLICATIONS

> Optical Switches
> Linear & Rotary Encoder

Absolute Maximum Ratings (Ta=25°C)

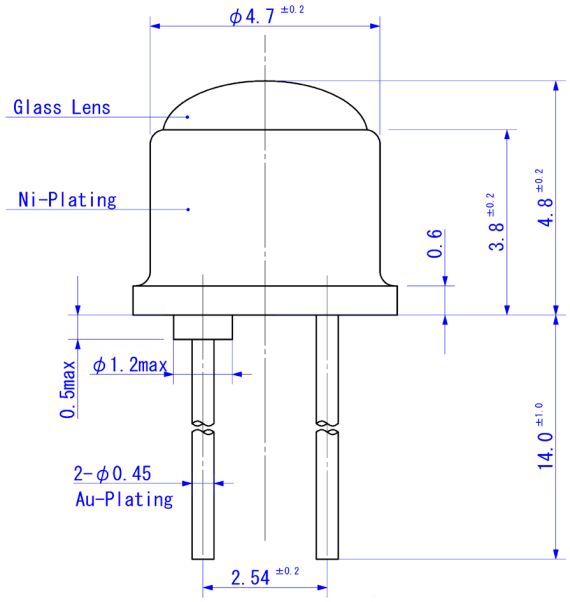
ITEMS	SYMBOL	RATINGS	UNIT
Forward Current	IF	50	mA
Forward Current (Pulse)*1	IFP	0.3	A
Reverse Voltage	VR	5	V
Power Dissipation	PD	120	mW
Operating Temperature Range	Topr	-20 ~ +80	°C
Storage Temperature Range	Tstg	-30 ~ +100	°C
Junction Temperature	Tj	100	°C
Lead Soldering Temperature*2	Tls	260	°C

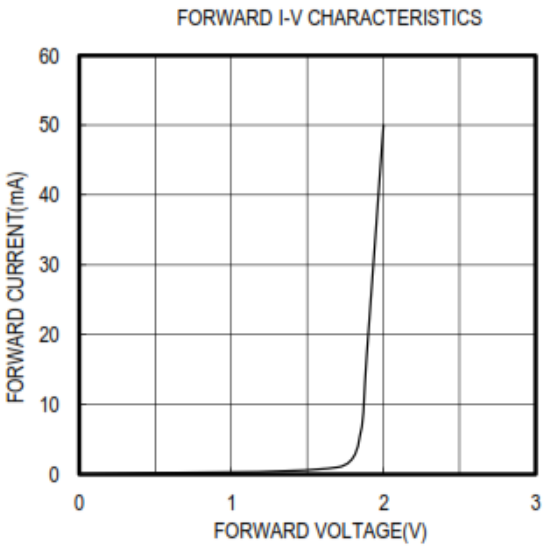
*1: Tw=10μsec, T=1msec; *2: Time 5 Sec max, Position: Up to 3mm from the body.

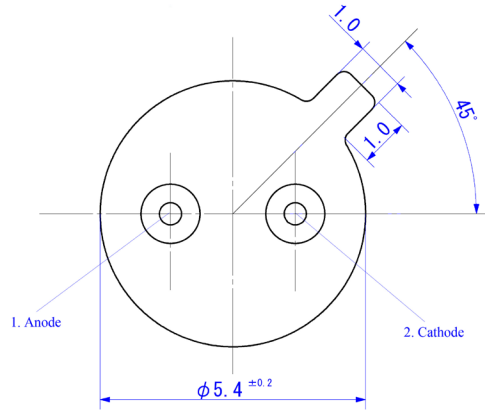
Electrical & Optical Characteristics (Ta = 25°C)

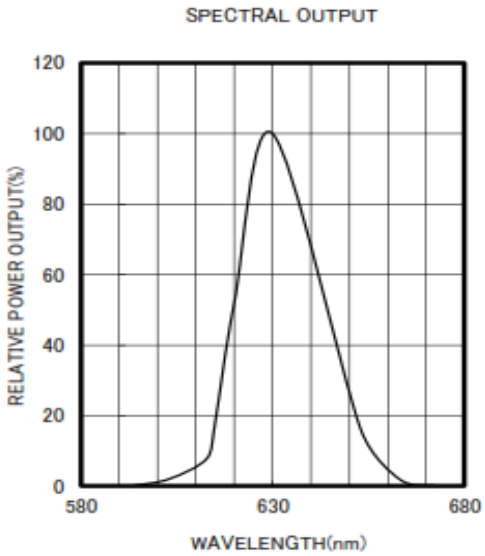
ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Power Output	PO	IF=20mA	--	4.0	--	mW
Forward Voltage	VF	IF=20mA	--	1.9	2.2	V
Reverse Current	IR	VR=5V	--	--	100	μA
Peak Emission Wavelength	λp	IF=20mA	--	630	--	nm
Spectral Line Half Width	Δλ	IF=20mA	--	15	--	nm
Half Intensity Beam Angle	Θ	IF=20mA	--	±2.5	--	deg

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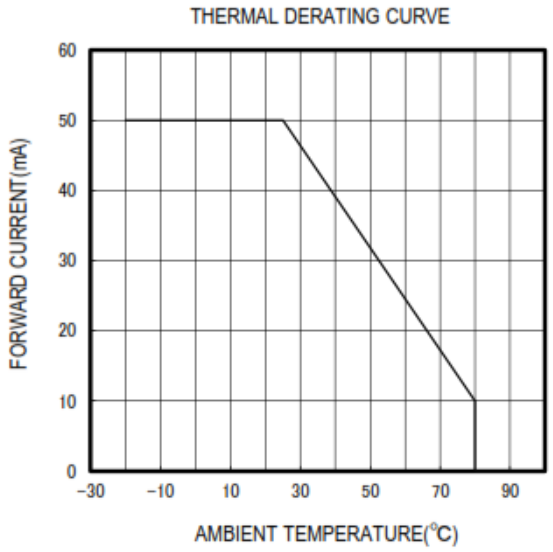


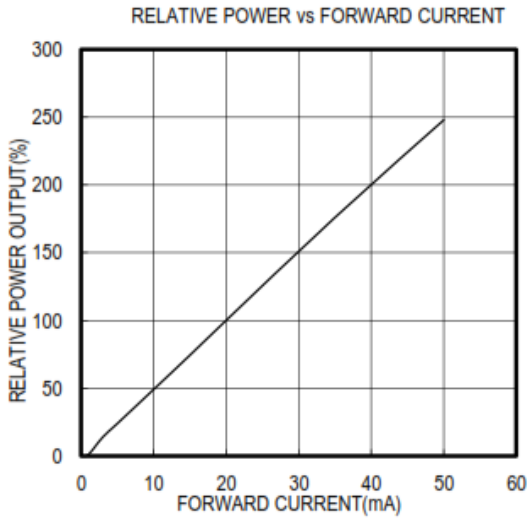


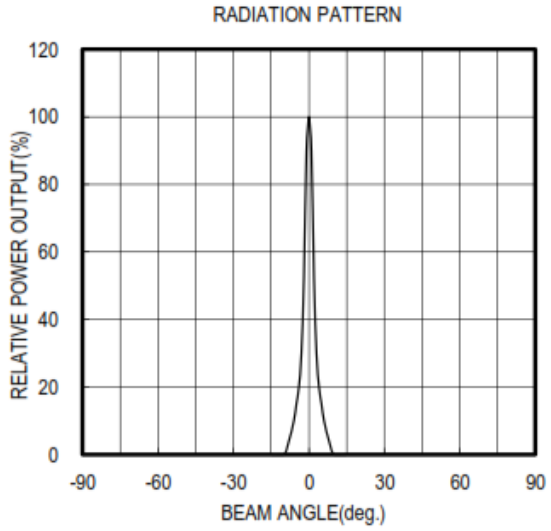


Unit: mm, Tolerance: ±0.2

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The information contained herein is subject to change without notice.

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