

Peak Emission Wavelength: 630nm

The 630nm Point Source Series is designed for applications requiring high accuracy and precision. Custom package solutions and sorting are available.

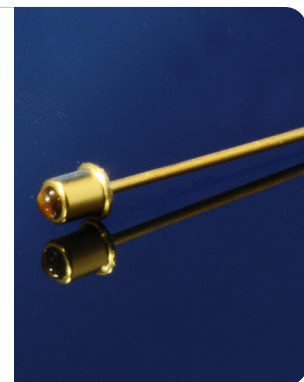
FEATURES

- > Hermetically Sealed Pigtail Package
- > Emitting Window Diameter Φ 25 μ m
- > Gold Plated Dome Lens
- > High Reliability / High Output Power

- > Extremely Narrow Radiation Pattern

APPLICATIONS

- > Optical Sensing / Optical Instruments
- > Linear & Rotary Encoder
- > Machine Vision / CCD



Absolute Maximum Ratings (Ta=25°C)

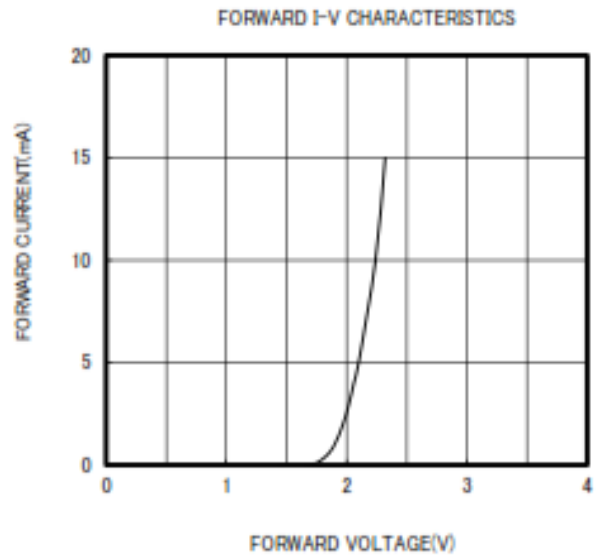
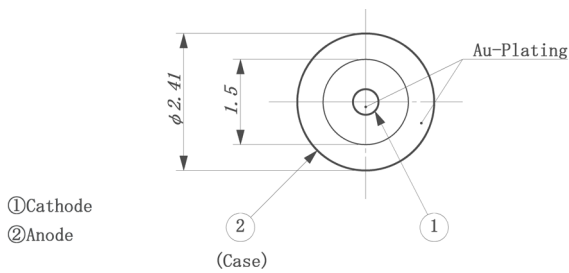
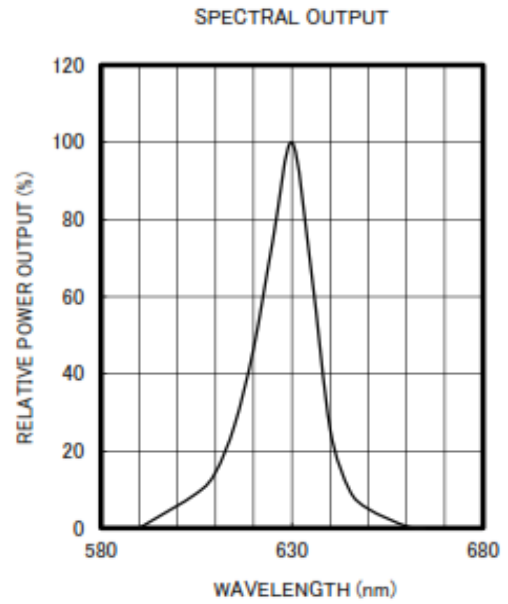
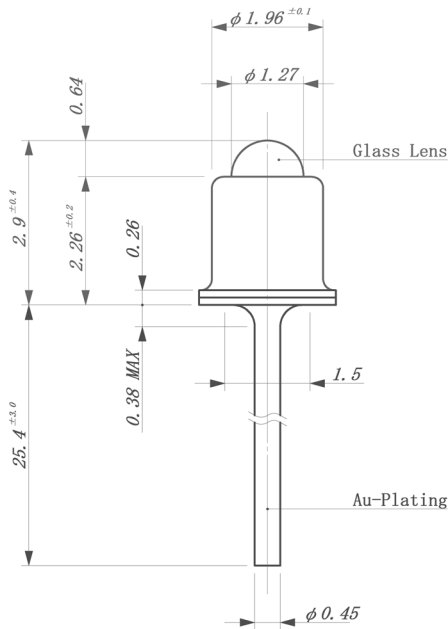


ITEMS	SYMBOL	RATINGS	UNIT
Forward Current (DC)	IF	15	mA
Forward Current (Pulse)*1	IFP	30	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	45	mW
Operating Temperature Range	Topr	-20 ~ +85	°C
Storage Temperature Range	Tstg	-30 ~ +100	°C
Lead Soldering Temperature*2	Tls	260	°C

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

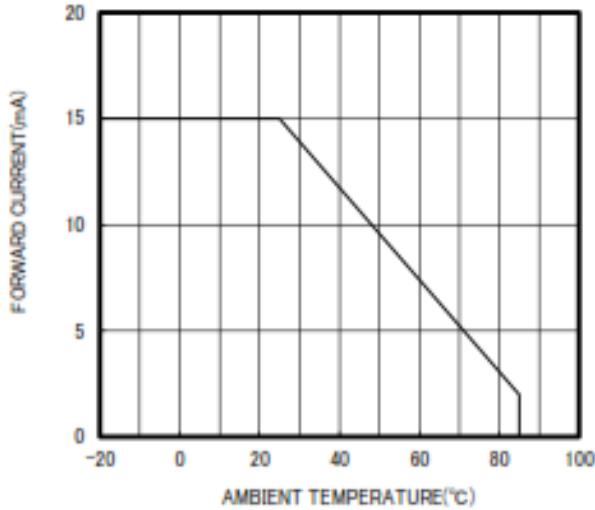
Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Power Output	PO	IF=5mA	--	40.0	--	μ W
Forward Voltage	VF	IF=5mA	--	2.1	2.5	V
Reverse Current	IR	VR=5V	--	--	100	μ A
Peak Emission Wavelength	λ_p	IF=5mA	--	630	--	nm
Spectral Line Half Width	$\Delta\lambda$	IF=5mA	--	15	--	nm
Half Intensity Beam Angle	Θ	IF=5mA	--	± 5	--	deg

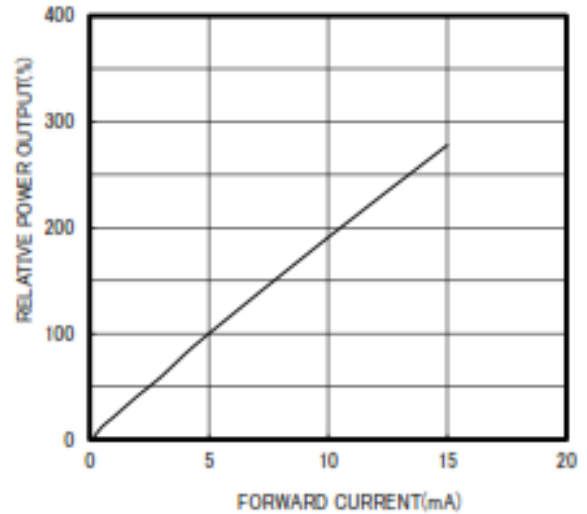


Unit: mm, Tolerance: ± 0.2

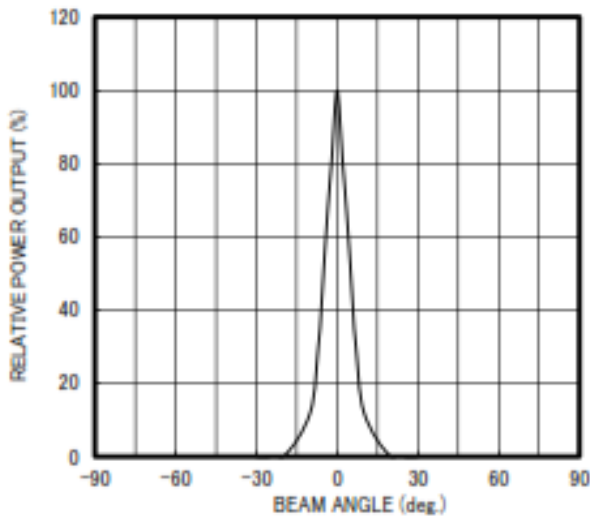
THERMAL DERATING CURVE



RELATIVE POWER vs FORWARD CURRENT



RADIATION PATTERN



The information contained herein is subject to change without notice.

2016-02-09

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Standard LEDs - Through Hole category](#):

Click to view products by [Marktech manufacturer](#):

Other Similar products are found below :

[LTL-10254W](#) [LTL-1214A](#) [LTL-3251A](#) [LTL-4262N](#) [LTL-433P](#) [LTL-5234](#) [LTL87HTBK](#) [LTL-87HD4B](#) [HLMP-EL30-PS0DD](#)
[1L0532V23G0TD001](#) [NSPW500CS](#) [NTE30036](#) [NTE30044](#) [NTE30059](#) [NTE3020](#) [LD CQDP-1U3U-W5-1-K](#) [LO566UHR3-70G-A3](#)
[LP379PPG1C0G0300001](#) [SLX-LX3044GD](#) [SLX-LX3044ID](#) [SLX-LX3044YD](#) [1.90690.3330000](#) [SSS-LX4673ID-410B](#) [1L0532Y24I0TD001](#)
[264-7SYGD/S530-E2](#) [HLMP-1301-G00FG](#) [HLMP1385](#) [LTL-10224W](#) [LTL-1224A](#) [LTL-1234A](#) [LTL-2251AT](#) [LTL-307YE-012](#) [LTL-](#)
[403HR](#) [LTL-4222](#) [LU7-E-B](#) [4380H1](#) [TLHY44K1L2](#) [HLMP-3962-F0002](#) [HLMP-EG1H-Y10DD](#) [HLMP-EG2H-XZ0DD](#) [HLMP-GG15-](#)
[R0000](#) [323-2SURD/S530-A3](#) [L53SRC/E-Z](#) [L-7679C1ZGC](#) [4302T1-5V](#) [4306D23](#) [4363D1/5](#) [WP1503SRC/J4](#) [WP153GDT](#) [WP153YDT](#)