

Peak Emission Wavelength: 1550nm


Description

- Size 1206: 3.2 (L) x 1.6 (W) x 1.2 (H) mm
- Circuit substrate: glass laminated epoxy
- Devices are RoHS conform
- Lead free solderable, soldering pads: gold plated
- Marking at anode
- High radiation intensity

Absolute Maximum Ratings (Ta=25°C)

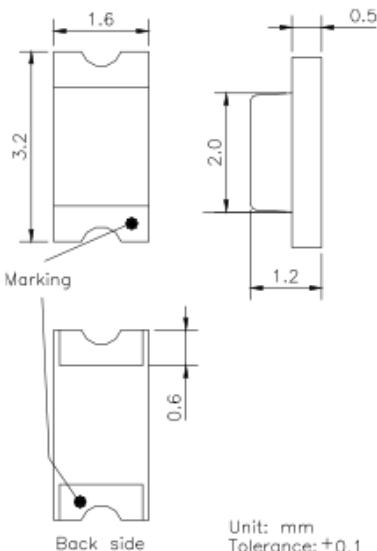

ITEMS	SYMBOL	RATINGS	UNIT
Forward DC Current	If	50	mA
Peak Forward Current *	Ifp	100	mA
Reverse Voltage	Vr	5	V
Operating Temperature	Top	-40 to +85	°C
Storage Temperature	Tst	-55 to +85	°C
Thermal Resistance RthJA		450	K/W

* tp_≤ 100 us, T=1:10

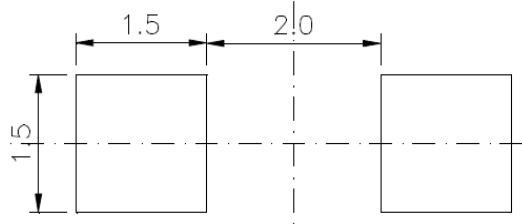
Electrical & Optical Characteristics (Ta = 25°C)

ITEMS	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=50mA	--	1.05	--	V
Peak Wavelength	λp	If=50mA	--	1550	--	nm
Power Output	Po	If=50mA	--	6	--	mW
Spectral Width	Δλ0.5	If=50mA	--	120	--	nm
Viewing Angle	φ	If=50mA	--	120	--	deg

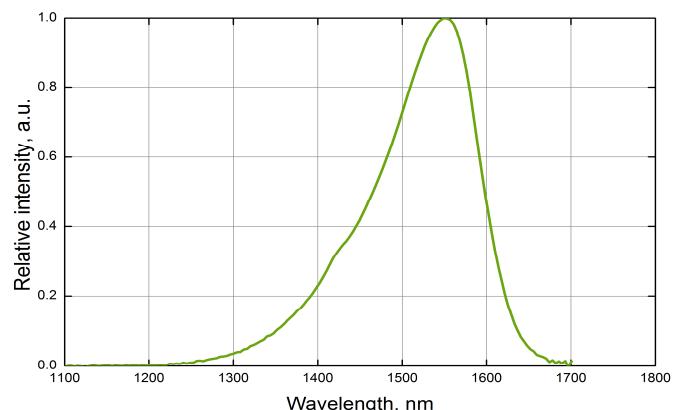
Package Dimensions



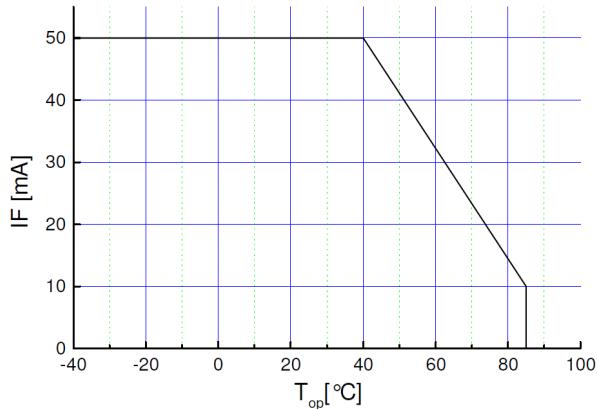
Marking at anode



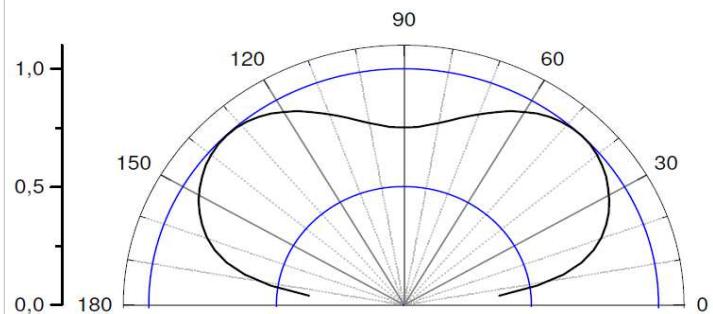
Recommended Soldering Pattern



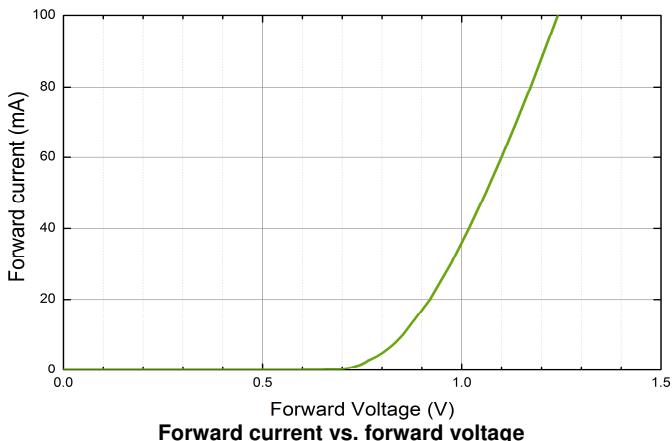
Typical spectrum at 50 mA



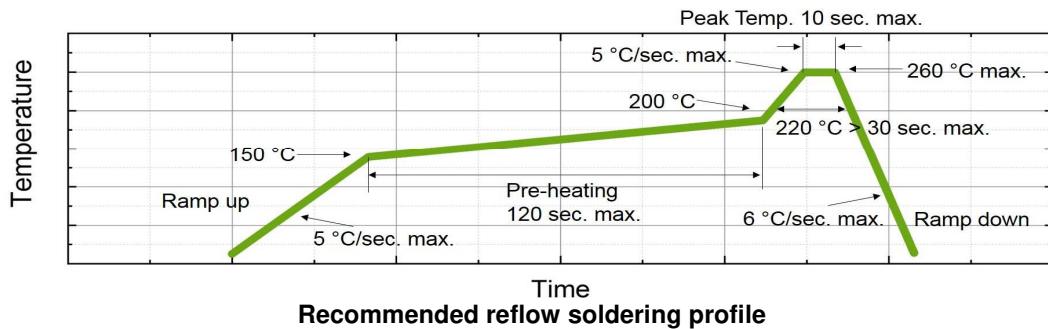
**Maximal
forward
current (DC)
characteristic**



Radiation Pattern



Forward current vs. forward voltage



The information contained herein is subject to change without notice.

2025-09-09

Global Headquarters, 3 Northway Lane North, Latham, NY 12110, USA www.marktechopto.com

TOLL FREE: 1-800-984-5337 • PHONE: 518-956-2980 • FAX: 518-785-4725 • EMAIL: info@marktechopto.com