

## Peak Emission Wavelength: 1650nm



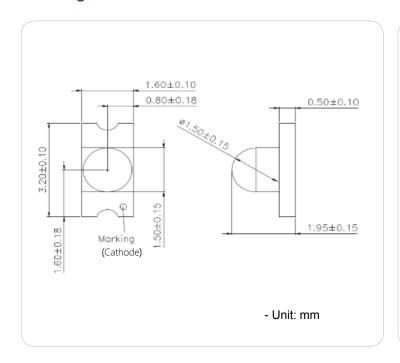
## Description

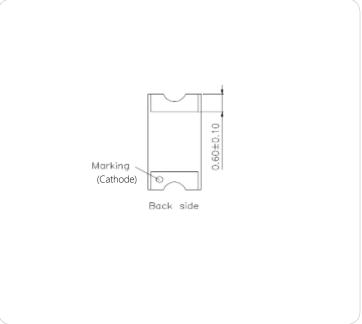
- Size 1206: 3.2 (L) x 1.6 (W) x 1.2 (H) mm
- Circuit substrate: glass laminated epoxy
- Devices are RoHS conform
- Lead free solderable, soldering pads: gold plated
- Taped in 8 mm blister tape, cathode to transporting perforation
- All devices are sorted into radiant intensity classes
- High radiation intensity types

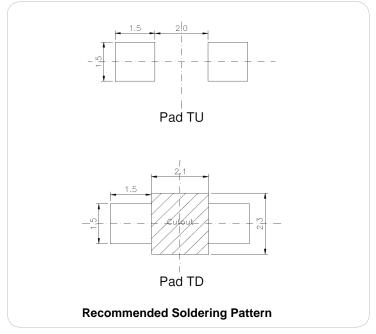
TEMS	SYMBOL	RATINGS	UNIT	lead-free
	01202			
Forward DC Current	If	50	mA	
Peak Forward Current *	Ifp	100	mA	
Reverse Voltage	Vr	5	V	
Reverse Current	Ir	100	uA	
Operating Temperature	Тор	-40 to +85	°C	
Storage Temperature	Tst	-55 to +85	°C	
Thermal Resistance	RthJA	450	K/W	

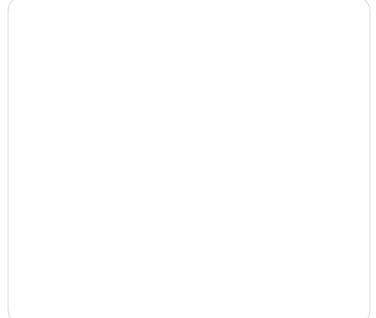
Electrical & Optical Characteristics (Ta = 25°C)							
ITEMS	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT	
Forward Current	If				50	mA	
Forward Voltage	Vf	If=50mA		0.75	1.3	V	
Peak Wavelength	λр	If=50mA	1600	1650	1700	nm	
Power Output	Ро	If=50mA		3		mW	
Spectral Width	Δλ0.5	If=50mA		130		nm	
Viewing Angle	ф	If=50mA		50		deg	
Temperature Coefficient	ТСФе	If=20mA		-0.4		%/K	
Temperature Coefficient	ТС\р	If=20mA		+0.5		nm/K	

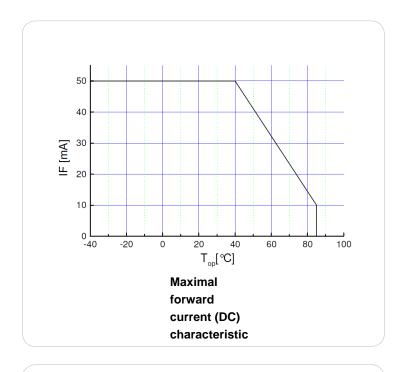
## **Package Dimensions**

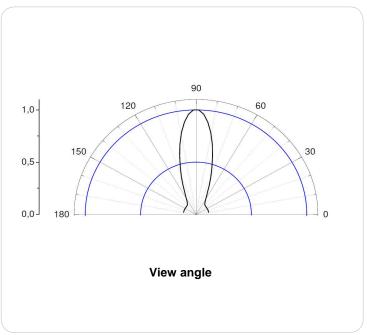


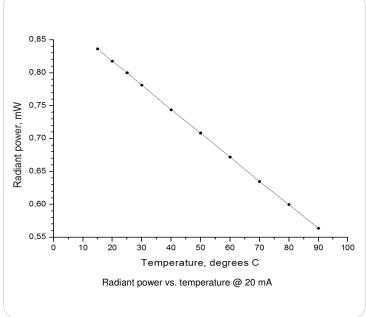


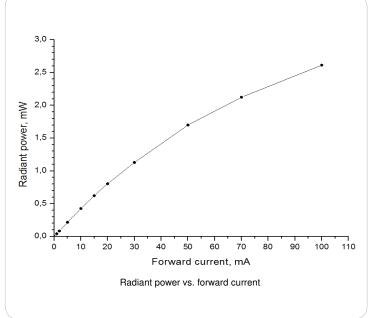








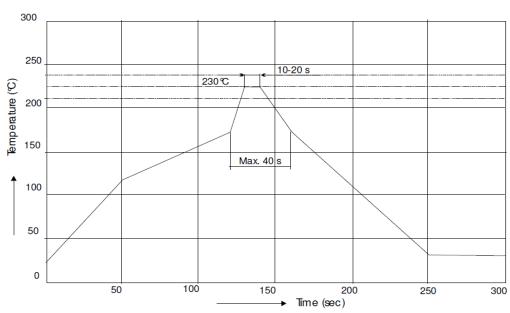




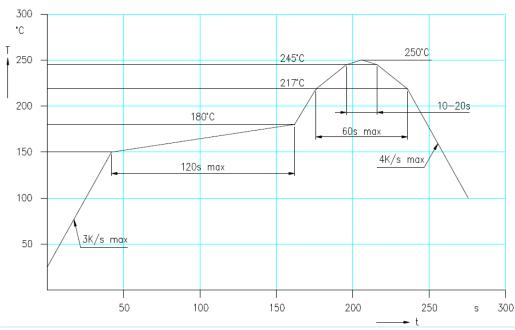




IR reflow soldering profile



IR reflow soldering profile for lead free soldering

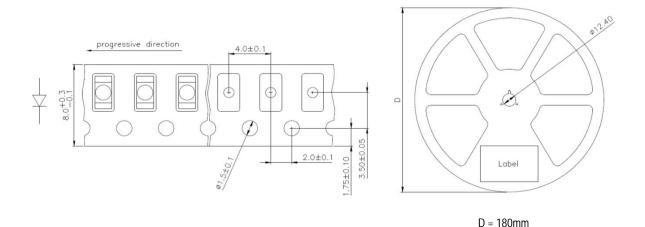


Manual soldering: max power of iron 25 W / 3 s / 300°C

The information contained herein is subject to change without notice.

Measured according to CIE 127. All SMD-LEDs are 100% measured and selected on full automated equipment with an accuracy of  $\pm 11\%$ .

## Tape and Reel packing



Tape and	Reel -Suffice to the part number
Ex:	MTXXXXX-T05 = 500 piece reel
Code	Components per reel
T05	500
T1	1000
T2	2000
T25	2500
T3	3000

Packing: The reel is seaLED in special plastic bag with integrate ESD protection (MIL - STD 81705) including a silica dry-pack

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