Waitrony

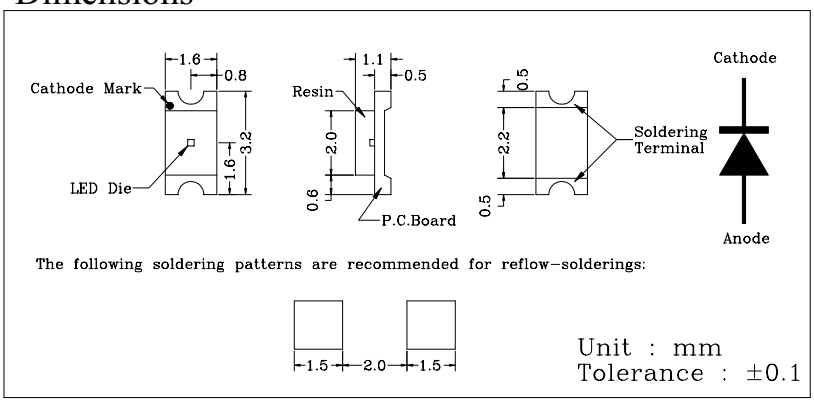
LED – Light Emitting Diode

Surface Mount Device
Module No.: WS3216YSC

Features:

- YELLOW
- Water Clear
- Super Bright
- Tape & Reel
- 3.2mmX1.6mm (1206)

Dimensions



Absolute Maximum Ratings (Ta=25°C)

Descriptions	Symbol	Value	Unit
Continuous Forward Current	I_F	30	mA
Peak Forward Current *1	I_{FM}	35	mA
Reverse Voltage	V_R	5	V
Operating Temperature	Topr	-25 ~ +65	°C
Storage Temperature	Tstg	-25 ~ +85	°C
Soldering Temperature *2	Tsol	260	°C

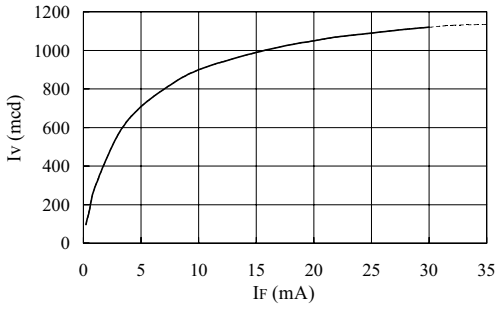
*1 Duty ratio = 1/10, Pulse width = 0.1ms.
*2 At the position of 2mm from the resin package within 5 seconds.

Electro-optical Characteristics (Ta=25°C)

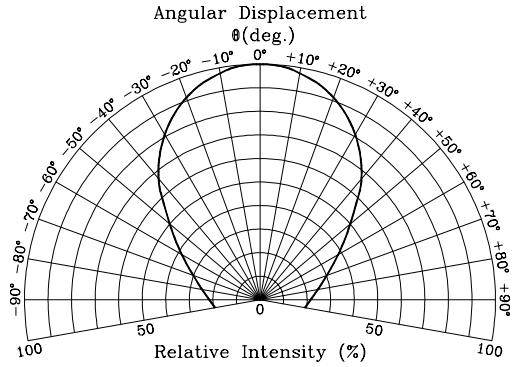
Descriptions	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V_{F1}	I_F=10μA	1.7	1.8		V
	V_{F2}	I_F=20mA		2.1	2.6	V
Luminous Intensity *3	I_V	I_F=20mA	630	1050		mcd
Peak Emission Wavelength	λp	I_F=20mA		589		nm
Spectrum Radiation Bandwidth	Δλ	I_F=20mA		30		nm
Half Power Beam Angle	Δθ			±50		deg.
Terminal Capacitance	Ct			25		pF
Response Frequency	fc			8		MHz

*3 Tolerance: ± 30%

Luminous Intensity vs Forward Current



Radiation Diagram



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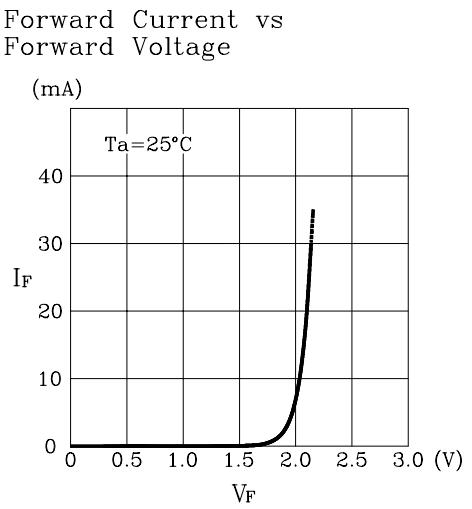
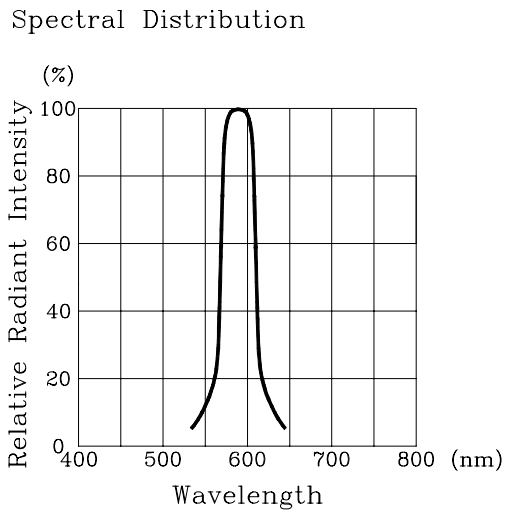
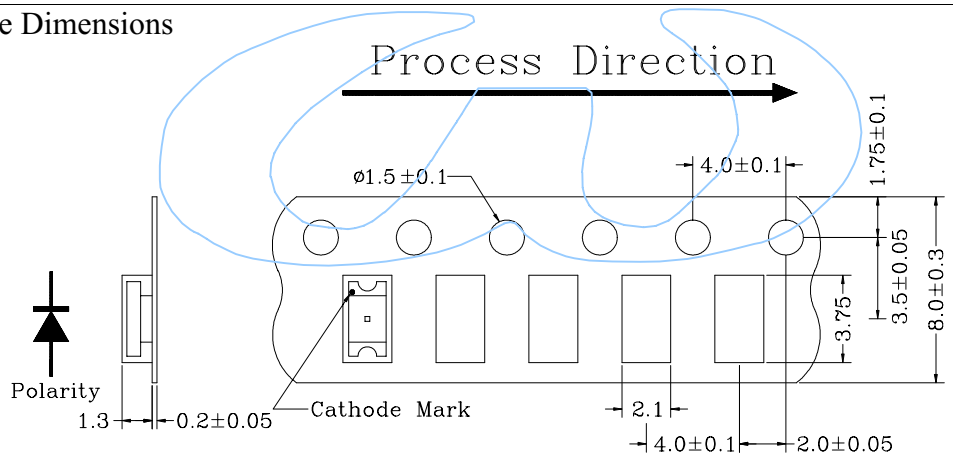


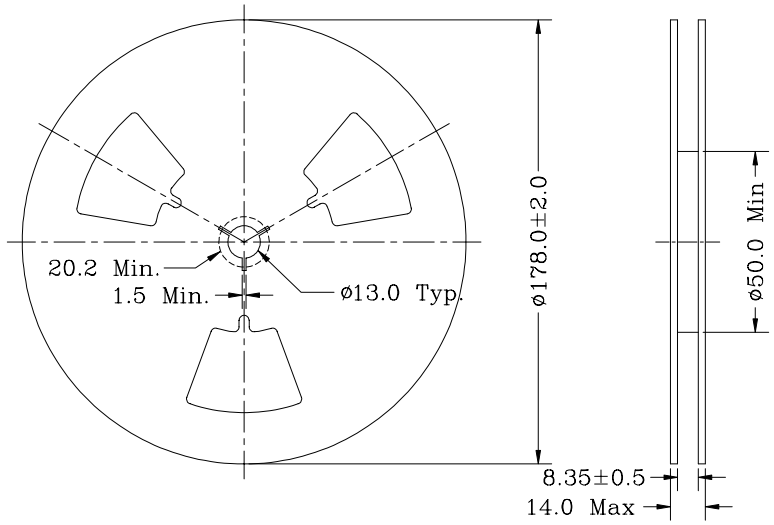


Tape Dimensions



Unit: mm

Reel Package: 3,000pcs / reel



Unit: mm