

## LED – Light Emitting Diode

Surface Mount Device

Module No.: WS3216GSC

Features:

GREEN

Water Clear

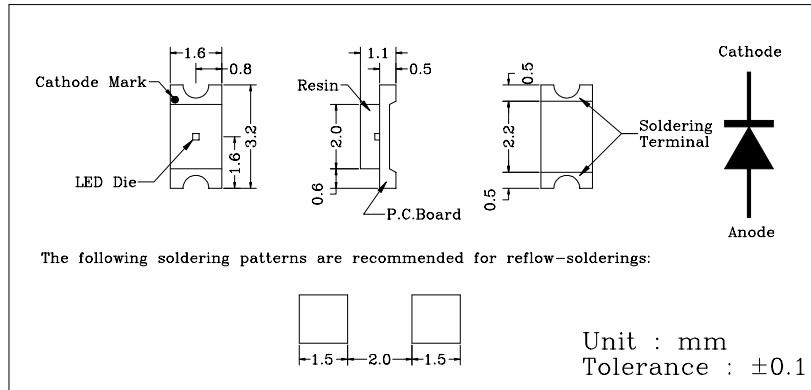
Super Bright

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	$T_{opr}$	-25 ~ +65	°C
Storage Temperature	$T_{stg}$	-25 ~ +85	°C
Soldering Temperature *2	$T_{sol}$	260	°C

\*1 Duty ratio = 1/10, Pulse width = 0.1ms.

\*2 At the position of 2mm from the resin package within 5 seconds.

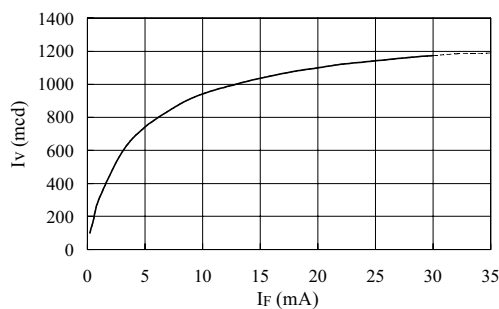
## Electro-optical Characteristics

(Ta=25°C)

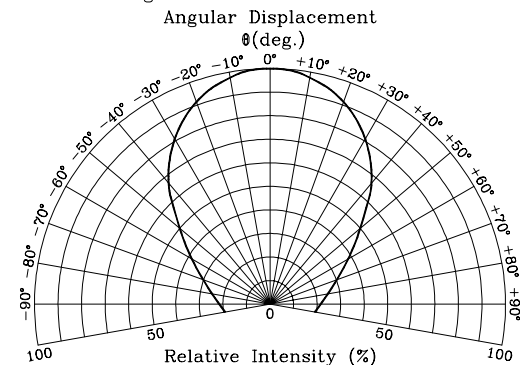
Descriptions	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	$V_{F1}$	$I_F=10\mu A$	1.6	1.65		V
	$V_{F2}$	$I_F=20mA$		2.2	2.6	V
Luminous Intensity *3	$I_v$	$I_F=20mA$	660	1100		mcd
Peak Emission Wavelength	$\lambda_p$	$I_F=20mA$		569		nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F=20mA$		30		nm
Half Power Beam Angle	$\Delta\theta$			±50		deg.
Terminal Capacitance	$C_t$			25		pF
Response Frequency	$f_c$			8		MHz

\*3 Tolerance: ± 30%

Luminous Intensity vs  
Forward Current



Radiation Diagram



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