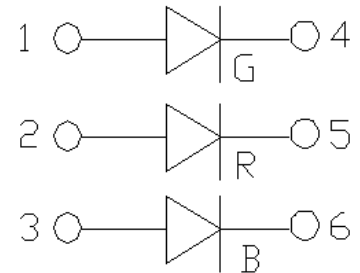
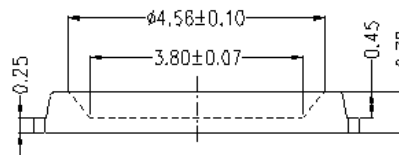
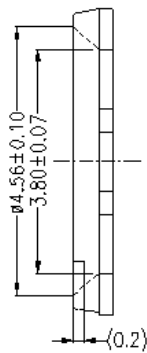
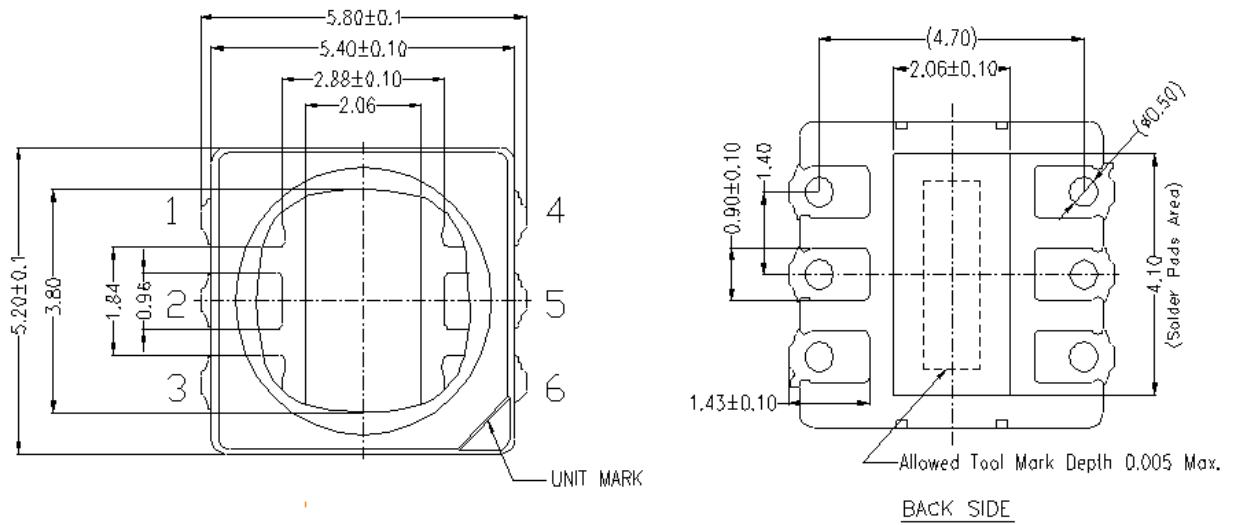
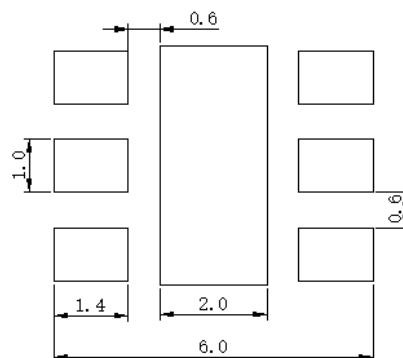


Package Dimensions



Recommended Soldering Patter



Notes:

All dimensions are in millimeters
Tolerances are ± 0.1 mm unless otherwise note.

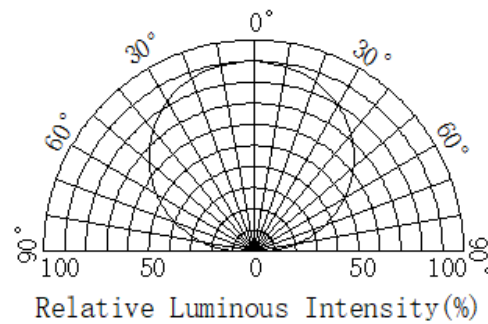
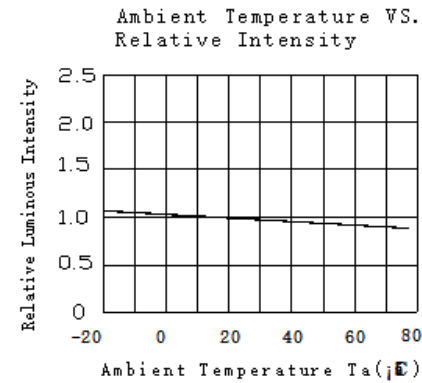
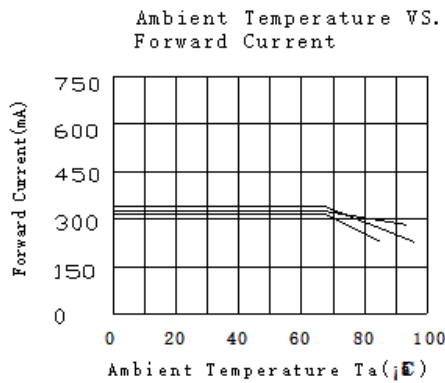
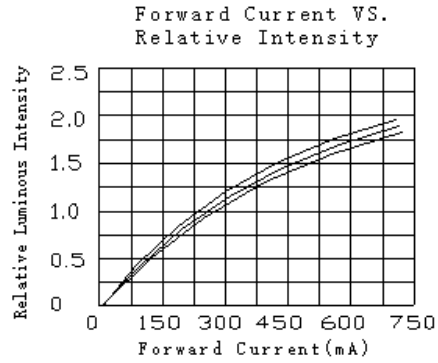
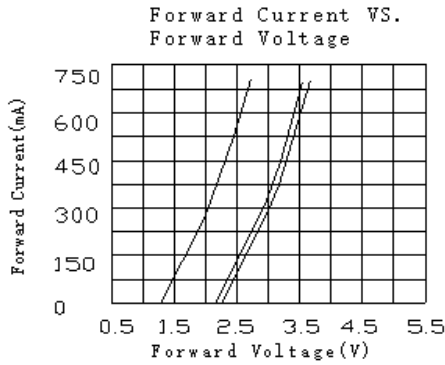
**Absolute maximum ratings (Ta=25°C)**

Parameter	Symbol	Value	Unit
Forward Current	IF	1050	mA
Reverse Voltage	Vr	5	V
Power dissipation	Pd	3000	mW
Operating temperature range	Top	-25~+80	°C
Storage temperature range	Tstg	-30~+85	°C
Peak pulsing current (1/8 duty f=1KHz)	I _{fp}	692	mA
Junction Temperature	Tj	115	°C/W
Electrostatic Discharge (HBM)	ESD	1000	V

Electro-Optical characteristics (TA=25°C)

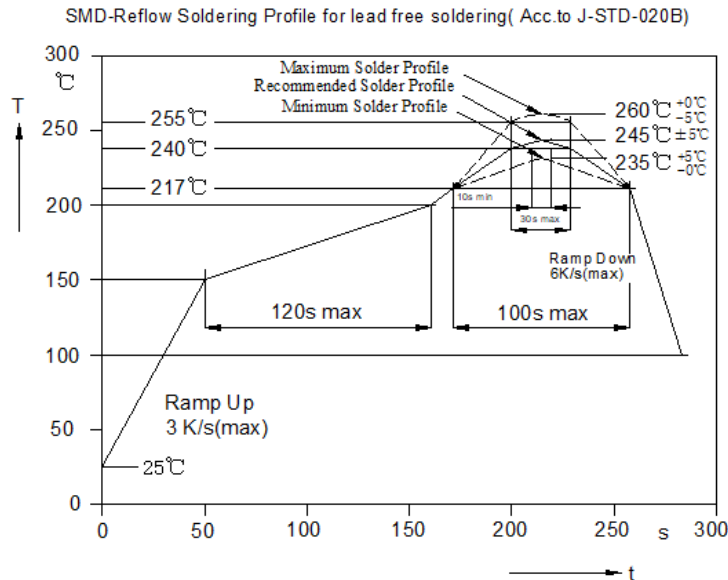
Parameter	Test Condition	Symbol	Color	Value			Unit
				Min.	Typ.	Max.	
Color Temperature	IF=350mA	CCT	--	--	--	--	K
Forward Voltage	IF=350mA	Vf	R	2.0	--	2.2	V
			G	3.0	--	3.2	
			B	3.0	--	3.2	
Luminous flux	IF=350mA	φ	R	30	40	--	lm
			G	60	80	--	
			B	20	30	--	
Viewing angle at 50% IV	IF=350mA	2θ1/2	R	--	120	--	deg
			G	--	120	--	
			B	--	120	--	
Dominant wavelength	IF=350mA	λd	R	620	--	630	nm
			G	520	--	525	
			B	460	--	465	
Reverse Current	VR=5V	Ir	R	--	5	--	μA
			G	--	5	--	
			B	--	5	--	
Color Rendering Index	IF=350mA	CRI	--	--	--	--	Ra

Typical photo-electricity characteristic curve chart



Guidline for Soldering

Reflow Soldering: Use the conditions shown in the under Figure of Pb-Free Reflow Soldering.



Remark: If not lead free soldering, the recommended solder profile is 230°C and max solder profile is 245°C.

Hand Soldering:

A soldering iron of less than 20W is recommended to be used in Hand Soldering. Please keep the temperature of the soldering iron under 360°C while soldering each terminal of the LED is to go for less than 3 second and for onetime only.

Be careful because the damage of the product is often started at the time of the hand soldering.

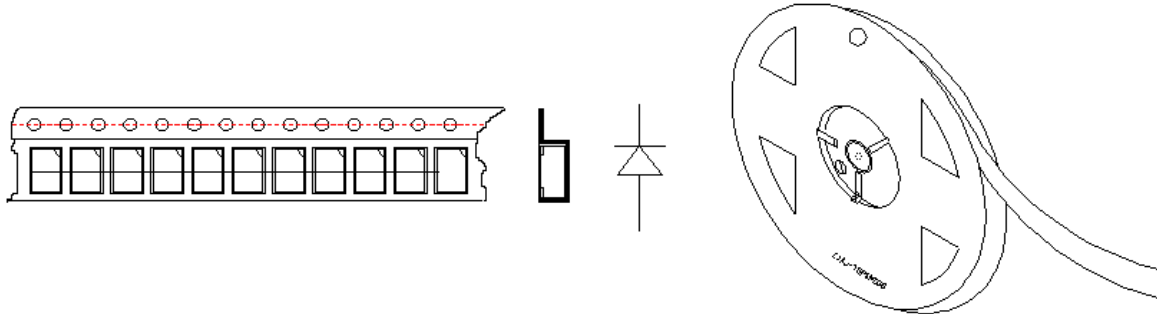
Cleaning:

It is recommended that alcohol be used as a solvent for cleaning after soldering. Cleaning is to go under 30°C for 3 minutes or 50°C for 30 seconds. When using other solvents, it should be confirmed beforehand whether the solvents will dissolve the package and the resin or not.

Ultrasonic cleaning is also an effective way for cleaning. But the influence of Ultrasonic cleaning on LED depends on factors such as ultrasonic power. Generally, the ultrasonic power should not be higher than 300W. Before cleaning, a pre-test should be done to confirm whether any damage to LEDs will occur.

Tape and Packaging

1. Tape leader and reel



2. Moisture Resistant Package

