



SMD 5060 LED SERIES

Notes:

1. All dimension units are millimeters.
2. All dimension tolerance is $\pm 0.2\text{mm}$ unless otherwise noted.
3. An epoxy meniscus may extend about 1.5mm down the leads.

Selection Guide

Part. No	Lens Type	Iv(mcd)@20mA						Viewing Angle
		Green (GaP)		Red (GaAsP/GaP)		Blue (GaN)		
		Min.	Typ.	Min.	Typ.	Min.	Typ.	2Θ1/2
OF-SMD5060RGB	Water Clear	600	900	160	250	160	250	100°

Note:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Condition	Red		Green		Blue		Unit
			min.	typ.	min.	typ.	min.	typ.	
Forward Voltage DC	VF	IF=3x20mA	3.0	3.2	1.6	1.9	3.0	3.2	V
Reverse Current	IR	VR=5V			5				uA
Dominant Wavelength	λ_D	If=20mA	515	520	621	625	470	475	nm
Capacitance	IF(rec)	VF=0V; f=1MHz		45		35		110	pF

Absolute Maximum Ratings at TA=25°C

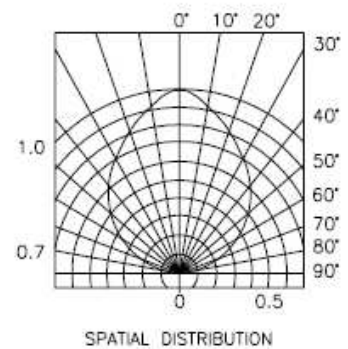
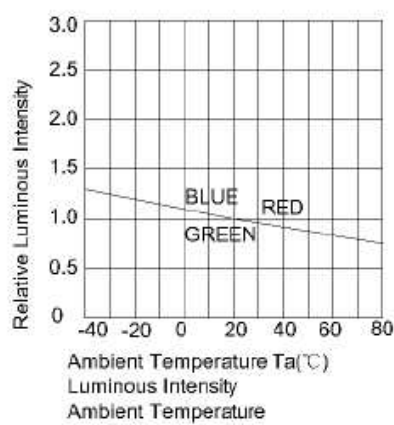
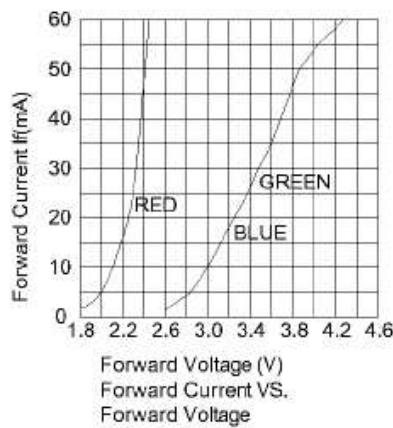
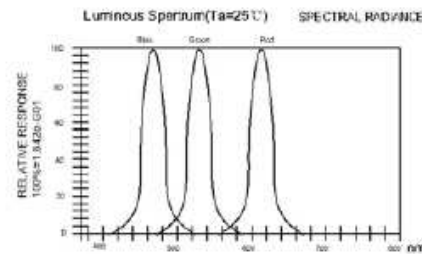
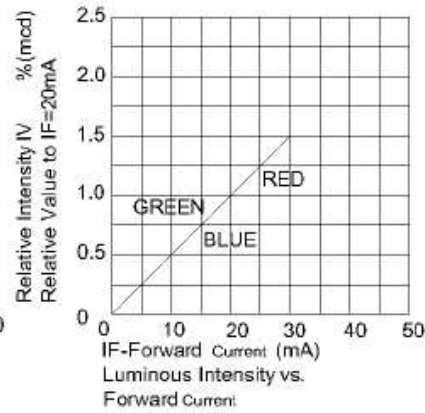
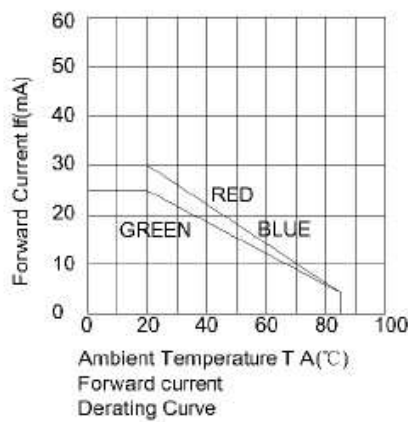
Parameter	Red	Green	Blue	Units
Power Dissipation	90	75	110	mW
DC Forward Current	25	30	30	mA
Peak Forward Current	150	185	160	mA
Reverse Voltage	5	5	5	V
Operating/Storage Temperature	-40°C to +85°C			

Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.



SMD 5060 LED SERIES

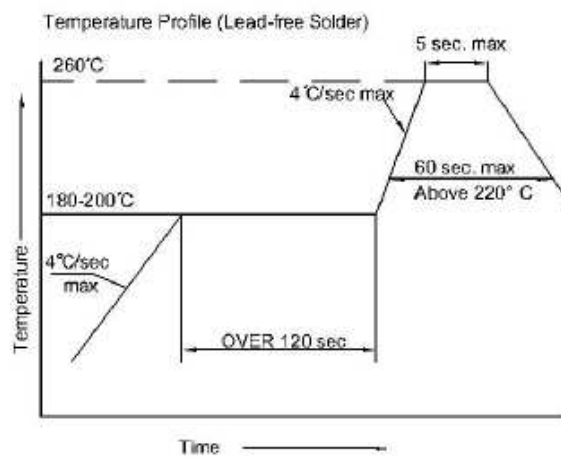
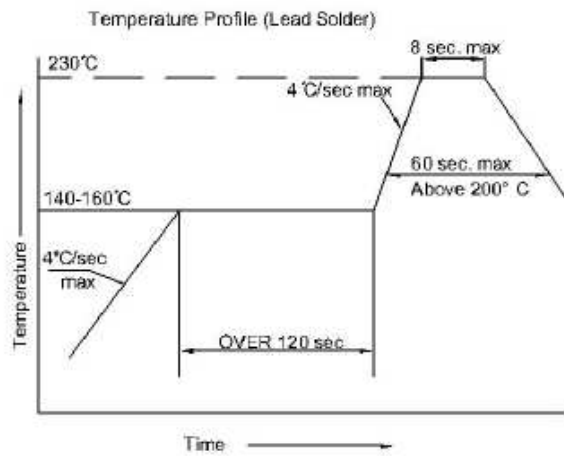


SMT Reflow Soldering Instructions

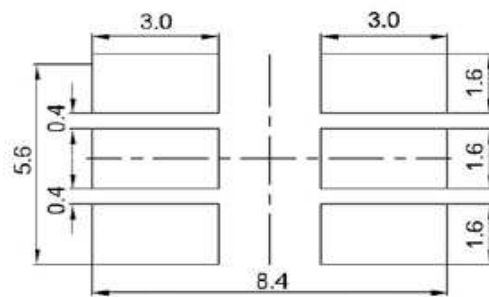
Number of reflow process shall be less than 2 times and cooling process to normal temperature is required between first and second soldering process.



SMD 5060 LED SERIES



Recommended Soldering Pattern
(Units : mm)



Tape Specifications
(Units : mm)

