

Home > 5988410207F

Part Number: **5988410207F**

General Description

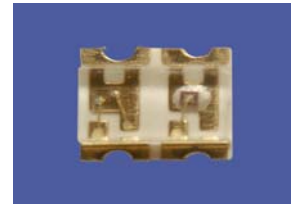
Lamp Type	Bi-Color
Lens Color	Non-Diffused
Compliance	EIA-481-1
Series	598
Configuration	0606(1.6MM X 1.6MM X 0.7MM)
Description	SMD LED 0606 PACKAGE, BI-COLOR
Package Options	Tape and Reel

Absolute Maximum Ratings (Ta = 25°)

Forward Current mA	20mA
Reverse Current	10 μ A@ Vr = 5V
Forward Current Pulsed	100mA
Derating	from 25°C = .42mA/°C
Solder Temperature	260° for 10 sec
Operating Temperature	-40~ +100
Storage Temperature	-40~ +100
ESD	2000

Operating Characteristics

		
Color	Red	Green
LED Type	AlInGaP	AlInGaP
Luminous Intensity Min	40	30
Luminous Intensity Typical	60	40
Luminous Intensity Max	80	50
Forward Voltage Min	1.8	1.8
Dominant Wavelength Min	630nm	560nm
Dominant Wavelength Typical	635nm	565nm
Dominant Wavelength Max	645nm	570nm



This is a
RoHS Compliant Product
[To learn more click here](#)

Power Dissipation Max

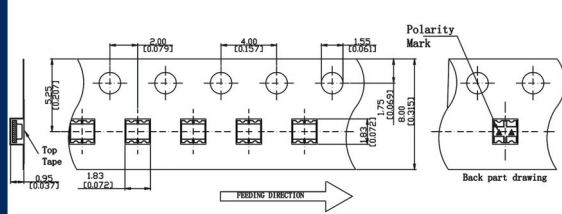
48mW

48mW

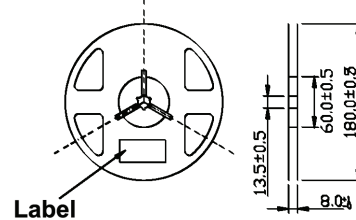


MECHANICAL DIMENSIONS

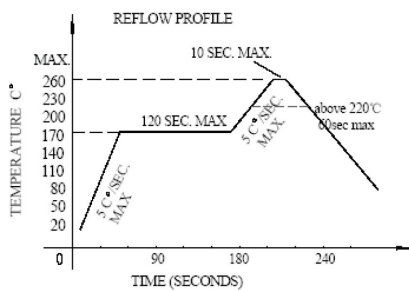
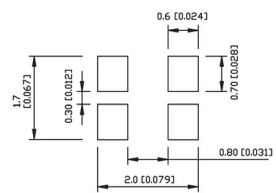
DIMENSIONS OF TAPE (UNIT:mm)



DIMENSIONS OF REEL (UNIT:mm)



Recommended Soldering Pattern For Reflow Soldering

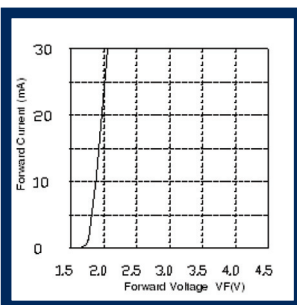


REFLOW SOLDERING		HAND SOLDERING	
Pre-heat	160~180°C	Temperature	300°C Max.
Pre-heat time	120 seconds Max.		
Peak temperature	260°C Max.	Soldering time	3 second Max (one time only)
Soldering time	10 seconds Max.		
Condition	Refer to temperature -profile		

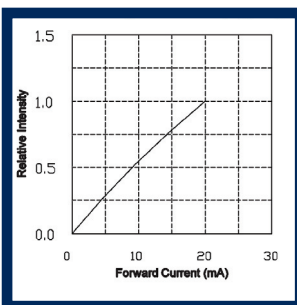
OPTICAL AND ELECTRICAL CHARACTERISTICS CURVES

RED 630-642NM, RED-ORANGE 620-630NM, ORANGE 600-610NM, YELLOW 590-595NM, YELLOW 583-590NM, YELLOW GREEN 570-575NM, GREEN 562-570NM

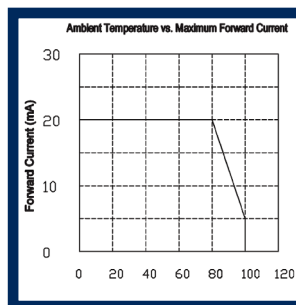
FORWARD VOLTAGE VS FORWARD CURRENT (Ta=25°C)



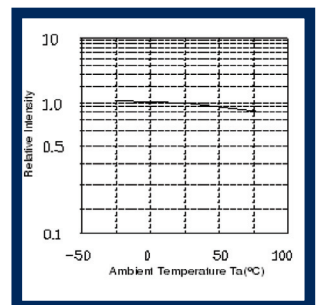
RELATIVE INTENSITY VS FORWARD CURRENT (Ta=25°C)



DERATING

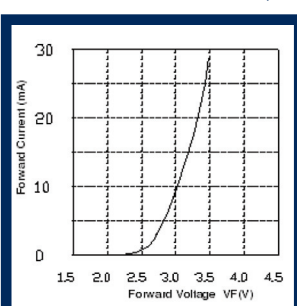


RELATIVE INTENSITY VS AMBIENT TEMPERATURE

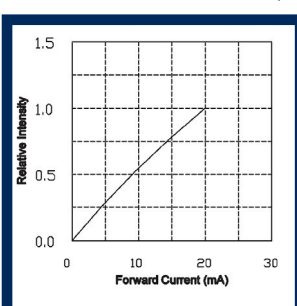


GREEN 520-525NM, BLUE 470-475NM

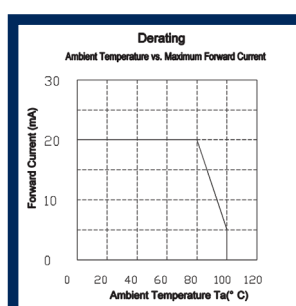
FORWARD VOLTAGE VS FORWARD CURRENT (Ta=25°C)



RELATIVE INTENSITY VS FORWARD CURRENT (Ta=25°C)



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RELATIVE INTENSITY VS AMBIENT TEMPERATURE

