

Home > 5988920302F

Part Number: **5988920302F**

General Description

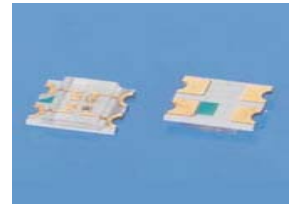
Lamp Type	Tri-Color
Lens Color	Non-Diffused
Compliance	EIA-481-1
Series	598
Configuration	1210(3.2MM X 2.7MM X 0.7MM)
Description	SMD LED 1210 PACKAGE, TRI-COLOR
Package Options	Sample Strip

Absolute Maximum Ratings (Ta = 25°)

Forward Current mA	20mA
Reverse Current	10 μ A@ Vr = 5V
Forward Current Pulsed	100mA
Derating	from 80° = .75mA/°C
Solder Temperature	260° for 10 sec
Operating Temperature	-40~ +100
Storage Temperature	-40~ +100
ESD	2000

Operating Characteristics

Color	RedOrange	Green	Blue
LED Type	AllInGaP	InGaN	InGaN
Luminous Intensity Min	90	90	30
Luminous Intensity Typical	120	150	60
Luminous Intensity Max	150	220	90
Forward Voltage Min	1.9	3	3
Dominant Wavelength Min	620nm	520nm	465nm
Dominant Wavelength Typical	625nm	525nm	470nm
Dominant Wavelength Max	630nm	530nm	475nm



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

Power Dissipation Max

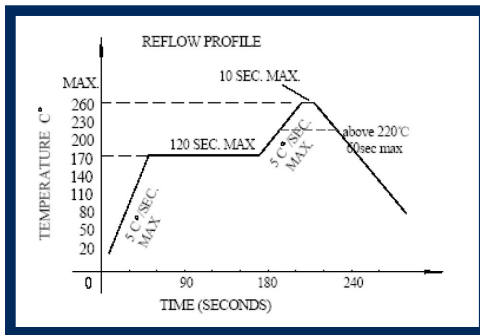
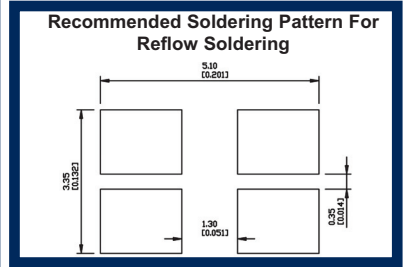
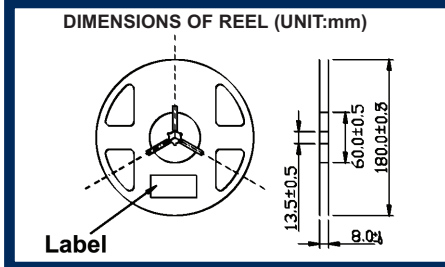
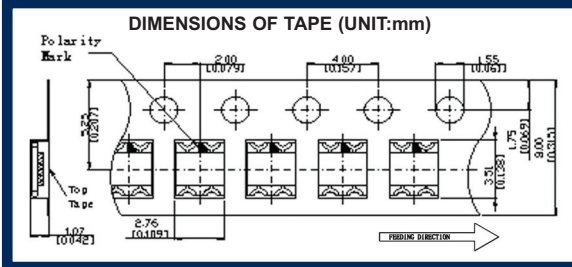
44mW

70mW

70mW



MECHANICAL DIMENSIONS

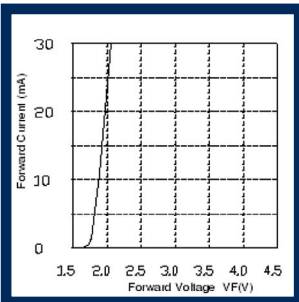


	REFLOW SOLDERING	HAND SOLDERING
Pre-heat	160~180°C	Temperature
Pre-heat time	120 seconds Max.	300°C Max.
Peak temperature	260°C Max.	Soldering time
Soldering time	10 seconds Max.	3 second Max (one time only)
Condition	Refer to temperature -profile	

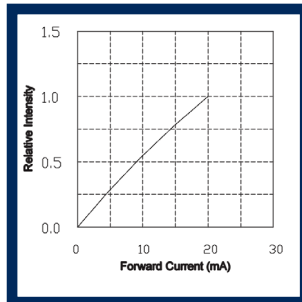
OPTICAL AND ELECTRICAL CHARACTERISTICS CURVES

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

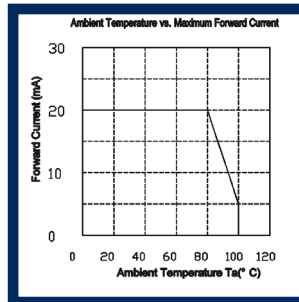
FORWARD VOLTAGE VS FORWARD CURRENT (Ta=25°C)



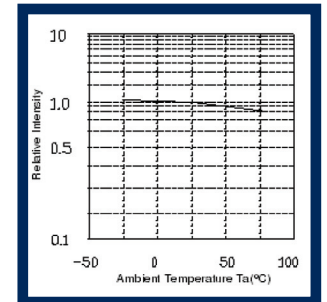
RELATIVE INTENSITY VS FORWARD CURRENT (Ta=25°C)



DERATING

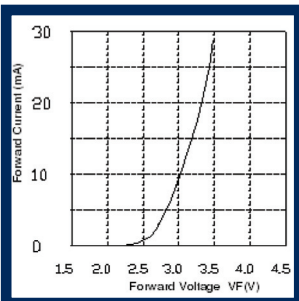


RELATIVE INTENSITY VS AMBIENT TEMPERATURE

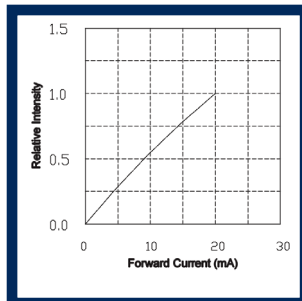


GREEN 520-525NM, BLUE 470-475NM

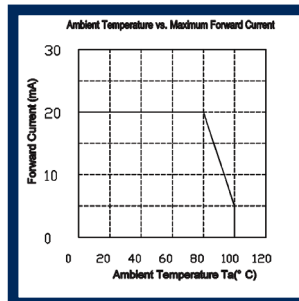
FORWARD VOLTAGE VS FORWARD CURRENT (Ta=25°C)



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



DERATING



RELATIVE INTENSITY VS AMBIENT TEMPERATURE

