

◆ Home > 5973111407F

Part Number: **5973111407F**


General Description

Series	597
Configuration	1206 Package
Description	SMD LED 1206 Red 7" Reel
Package Options	Tape and Reel
Lamp Type	Single Color
LED Type	GaAlAs
Lens Color	Non-Diffused

Absolute Maximum Ratings (Ta = 25°)

Forward Current mA	30mA
Reverse Current	100 @ Vr = 4V
Forward Current Pulsed	70mA
Derating	from 25° @ .42mA/°C
Solder Temperature	240° for 5 sec
Operating Temperature	-30~ +85
Storage Temperature	-40~ +100

Operating Characteristics

Color	 Red
Luminous Intensity Min	12
Luminous Intensity Typical	33.6
Luminous Intensity Max	55.2
Test Current mA	20mA
Dominant Wavelength Typical	647nm
Power Dissipation Max	60mW



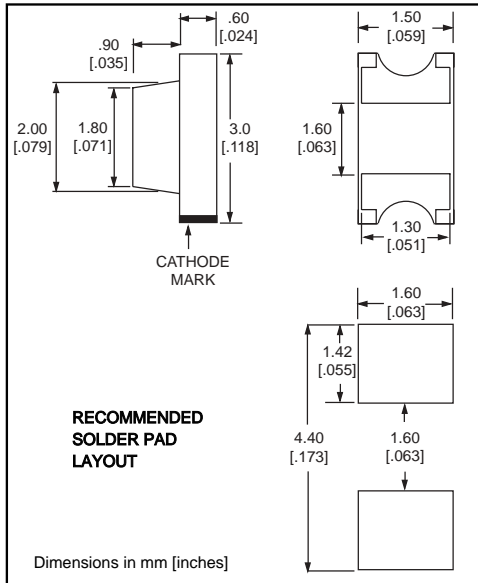
This is a
RoHS Compliant Product
To learn more click here



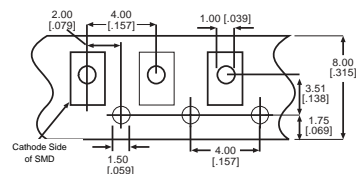
Surface Mount LED 1206 Type Package



597-3xx1-4xx



TAPING SPECIFICATIONS (rear side of tape)



Features

- Compatible with automatic placement equipment
- Compatible with infrared reflow processes
- Packaged on 8mm tape, 7" reels (meets EIA-481-1 standard)
- Helps to eliminate mixed technology PC board processing
- Compatible with Dialight's Optopipe™ Series light pipes

PART NO.*

COLOR

597-3111-4xx	AlGaAs Red
597-3201-4xx	Orange
597-3311-4xx	Green
597-3401-4xx	Yellow

*ORDERING INFORMATION

597-3xx1-4xx

packaging option →

02	20 pieces on tape
07	7" reel, 2500 pcs/reel

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

	AlGaAs Red -3111	Orange -3201	Green -3311	Yellow -3401
Power Dissipation (mW)	60	75	75	75
Forward Current (mA)	30	30	30	30
Derating (mA/°C)	.42	.42	.42	.42
Peak Current (mA) <i>Pulse width = 1 μs</i>	70	70	70	70
Operating Temperature (°C)	-30/+85	-30/+85	-30/+85	-30/+85
Storage Temperature (°C)	-30/+90	-40/+100	-30/+90	-30/+90
Soldering Profile	240°C peak 5 seconds			

Solder Adherence per MIL-STD-202E, Method 208C

OPERATING CHARACTERISTICS (T_A=25°C)

		AlGaAs Red -3111	Orange -3201	Green -3311	Yellow -3401
Luminous Intensity (mcd) I _F =20mA	Min.	6	5	3	3
	Typical	17	9	7.5	6
Peak Wavelength (nm) λ _{Peak}	Typical	660	605	560	580
Viewing Angle (2θ ½)	Typical	70°	70°	70°	70°
Forward Voltage (V) I _F =20mA	Typical	1.7	2.2	2.1	2.2
	Max.	2	2.5	2.5	2.5
Reverse Voltage (V), I _R =100μA	Min.	4	4	4	4

θ ½ is the off axis angle at which the luminous intensity is half the axial luminous intensity