



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



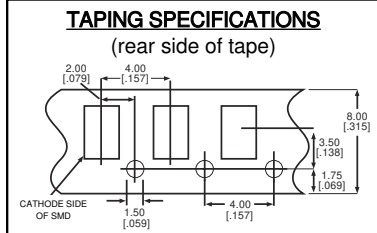
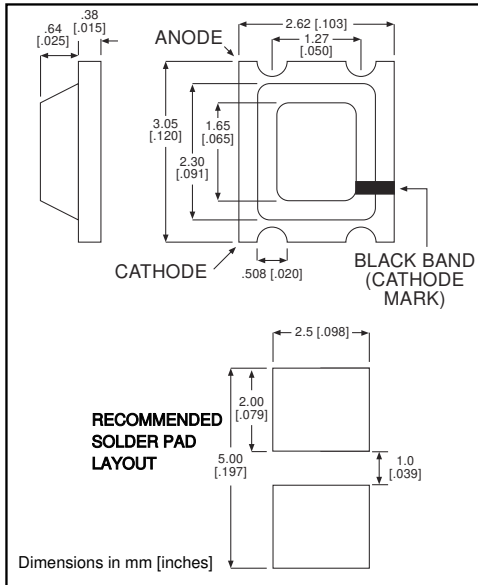
Contact us

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PART NO.*	COLOR
597-3001-1xx	Red
597-3111-1xx	AlGaAs Red
597-3211-1xx	Orange
597-3301-1xx	Green
597-3401-1xx	Yellow

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

*ORDERING INFORMATION	
597-3xx1-1xx	
packaging option	
02	20 pieces on tape
07	7" reel, 3000 pcs/reel

ABSOLUTE MAXIMUM RATINGS (T _A =25°C)	Red -3001	AlGaAs Red -3111	Orange -3211	Green -3301	Yellow -3401
Power Dissipation (mW)	65	45	80	65	70
Forward Current (mA)	25	15	25	25	25
Derating (mA/°C)	.33	.13	.33	.33	.33
Peak Current (mA) <i>Pulse width = 1 μs</i>	100	60	100	100	100
Operating Temperature (°C)	-30/+75	-30/+75	-30/+75	-30/+75	-30/+75
Storage Temperature (°C)	-30/+85	-30/+85	-30/+85	-30/+85	-30/+85
Soldering Profile	240°C to 260°C for 10 seconds				

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

OPERATING CHARACTERISTICS (T _A =25°C)		Red -3001	AlGaAs Red -3111	Orange -3211	Green -3301	Yellow -3401
Luminous Intensity (mcd)	Min.	1.6	4*	3	6	3
	Typical	4	8*	8	12	8
Peak Wavelength (nm)	Typical	630	660	610	565	585
Viewing Angle (2θ ½)	Typical	170°	170°	170°	170°	160°
Forward Voltage (V)	Typical	2	1.7*	2.1	2	2.1
	Max.	2.6	2.6*	2.8	2.6	2.8
Reverse Voltage (V), I _R =10μA	Min.	4	3	4	4	4

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