



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

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

<b>ABSOLUTE MAXIMUM RATINGS</b> (T <sub>A</sub> =25°C)	Red <b>-3001</b>	AlGaAs Red <b>-3111</b>	Orange <b>-3211</b>	Green <b>-3301</b>	Yellow <b>-3401</b>
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

<b>OPERATING CHARACTERISTICS</b> (T <sub>A</sub> =25°C)		Red <b>-3001</b>	AlGaAs Red <b>-3111</b>	Orange <b>-3211</b>	Green <b>-3301</b>	Yellow <b>-3401</b>
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 <sub>R</sub> =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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Standard LEDs - SMD category](#):*

*Click to view products by [Dialight manufacturer](#):*

Other Similar products are found below :

[LTST-C190KYKT](#) [LTST-C19GD2WT](#) [LTST-N683GBEW](#) [LTW-170ZDC](#) [598-8110-100F](#) [598-8170-100F](#) [598-8610-202F](#) [67-22VRVGC/TR8](#) [AAAF5060QBFSEEZGS](#) [HLMP-6305-L0011](#) [APT1608QGW](#) [15-21UYC/S530-A3/TR8](#) [EAST2012YA0](#) [EASV1803BA0](#) [LG M67K-H1J2-24-0-2-R18-Z](#) [LS A676-P2S1-1](#) [SML310BATT86](#) [SML-LX0606SISUGC/A](#) [SML-LXL1307SRC-TR](#) [SML-LXR851SIUPGUBC](#) [LT1ED53A](#) [FAT801-S](#) [AM27ZGC03](#) [APB3025SGNC](#) [APFA3010SURKCGKQBDC](#) [APHK1608VGCA](#) [APT2012QGW](#) [LTST-C250KGKT](#) [LTW-010DCG](#) [LTW-020ZDCG](#) [LTW-21TS5](#) [LTW-220DS5](#) [LY L29K-H1J2-26](#) [JANTXM19500/521-02](#) [UYGT801-S](#) [42-21UYC/S530-A3/TR8](#) [LO T67F-V1AB-24-1](#) [YGFR411-H](#) [598-8330-117F](#) [SML-LX0402IC-TR](#) [CMDA20AYAA7D1S](#) [CMDA16AYDR7A1X](#) [598-8040-100F](#) [598-8070-100F](#) [598-8140-100F](#) [598-8610-200F](#) [EAST2012GA0](#) [EAPL3527GA5](#) [SML-LXL1209SYC/ATR](#) [EASV3020YGA0](#)