

Excellent Integrated System Limited

Stocking Distributor

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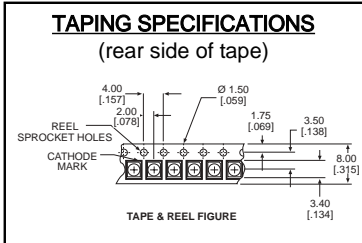
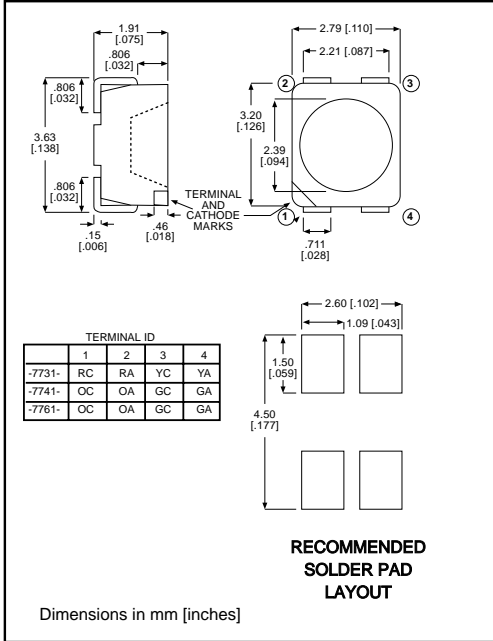
sales@integrated-circuit.com

microLED[®]

**Surface Mount LED
Bi-Color**

Dialight

597-7731-2xx
597-7741-2xx
597-7761-2xx



PART NO.*	COLOR
597-7731-2xx	Red/Yellow
597-7741-2xx	Orange/Green
597-7761-2xx	Orange/ Pure Green

NEW
NEW

Features

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

***ORDERING INFORMATION**

597-77x1-2xx

packaging option →

02	20 pieces on tape
07	7" reel, 2000 pcs/reel

ABSOLUTE MAXIMUM RATINGS (T _A =25°C)	Red/Yellow	Orange/Green	Orange/Pure Green
	-7731	-7741	-7761
Power Dissipation (mW)	100/100	100/100	100/100
Forward Current (mA)	30/30	30/30	30/30
Derating (mA/°C) From 55°C	.66/.66	.66/.66	.66/.66
Peak Current (mA) Pulse width 10 μs	500	500	500
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100
Soldering Profile	235°C peak 15 seconds, 185° for 90 seconds		

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

OPERATING CHARACTERISTICS (T _A =25°C)	Red/Yellow	Orange/Green	Orange/Pure Green
	-7731	-7741	-7761
Luminous Intensity (mcd) I _F =10mA	Min. 2.5/2.5 Typical 7.3/6.8	4/4 8/8	2.5/2.5 5/5
Peak Wavelength (nm) λ Peak	Typical 635/586	610/565	610/557
Viewing Angle (2θ 1/2)	Typical 120°	120°	120°
Forward Voltage (V) I _F =10mA	Typical 2/2 Max. 2.6/2.6	2/2 2.6/2.6	2/2 2.6/2.6
Reverse Voltage (V), I _R =10μA	Min. 5	5	5

θ^{1/2} is the off axis angle at which the luminous intensity is half the axial luminous intensity