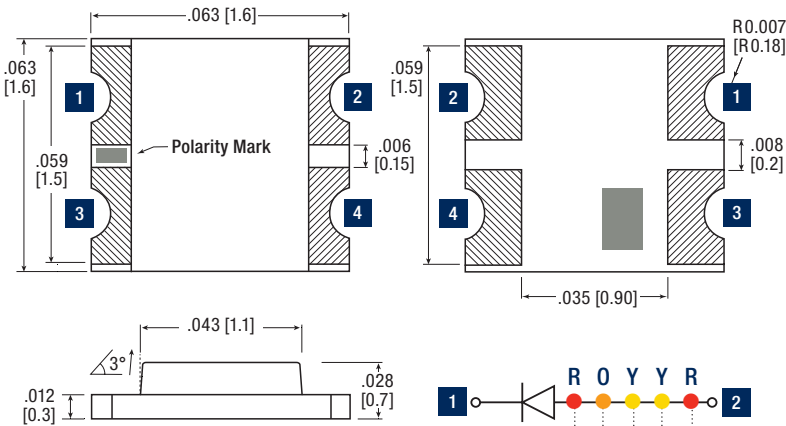


## Dimensions

inches [mm]

Tolerance  $\pm 0.2$  mm unless otherwise noted

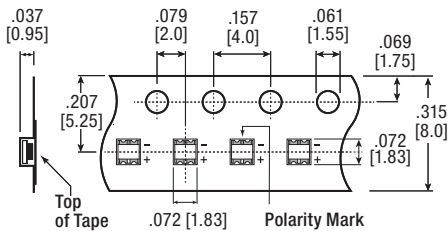
### Package



## Tape

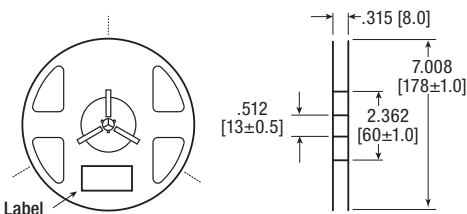
Tolerance  $\pm 0.1$  mm unless otherwise noted

Feed Direction  $\rightarrow$



## Reel

Tolerance  $\pm 0.1$  mm unless otherwise noted



## Certifications & Ratings

- RoHS compliant

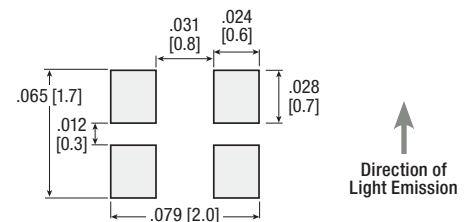
## Features & Benefits

- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (4000 pcs/reel) and 20 per strip
- Meets EIA-481-1 pkg. std.

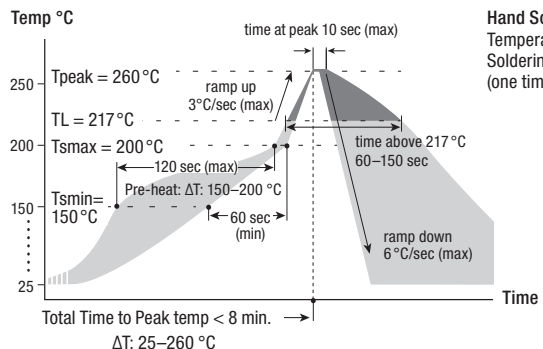
## Part Number Guide

RoHS Compliant														
5	9	8	-	8	4	X	X	-	2	0	X	C	F	
										Packaging Option				
Color										1	0	2		20 pieces on tape
Color										3	0	7		7" reel 4000 pcs/reel
Color										4	0			
Color										5	0			
Color										6	0			

## Soldering



## Reflow Profile

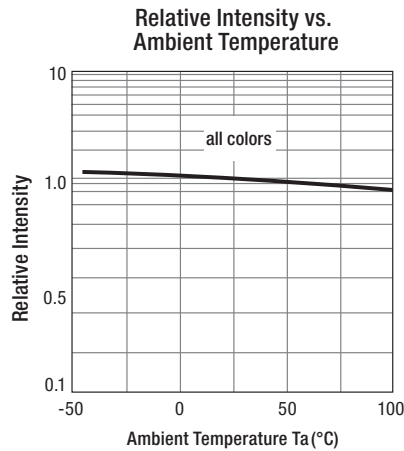
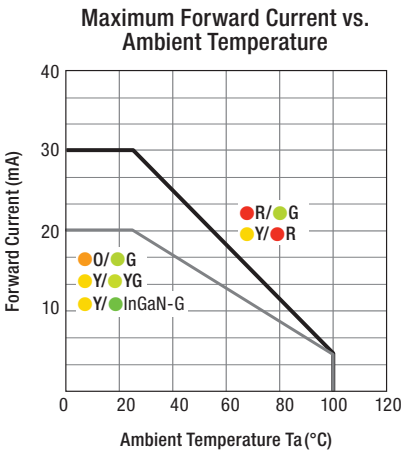
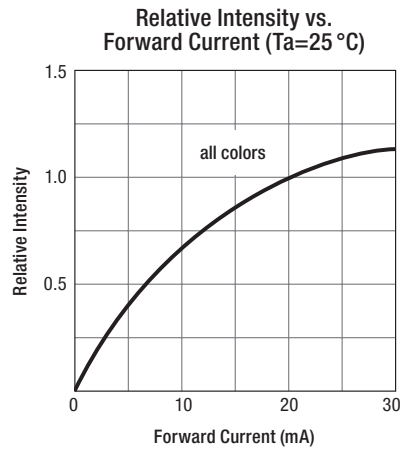
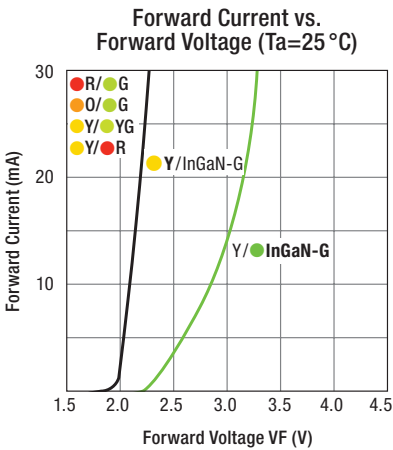


### Electrical/Optical Characteristics

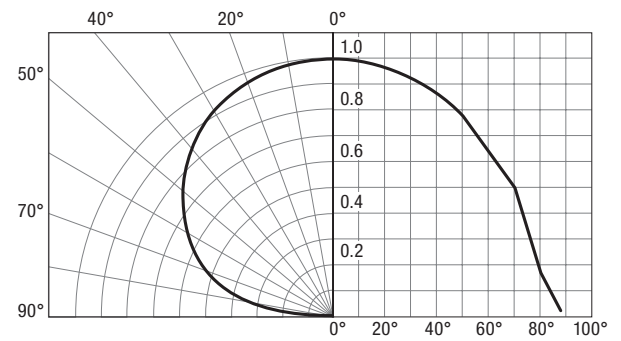
Dialight P/N		Emitted Color	Material	Lens Color	Luminous Intensity			Dominant Wavelength			Forward Voltage			Viewing Angle (°deg.)	Thermal Resistance (°C/W) Rth(j-s) If=20 ma	Reverse Current Intensity (µA) (Ir)VR=5V
20-Piece Tape	7" Reel, 4000 pcs				If = 20 ma											
					Min	Typ	Max	Min	Typ	Max	Min	Typ	Max			
<a href="#">598-8410-202CF</a>	<a href="#">598-8410-207CF</a>	Red	AlInGaP	Non-Diffused	43	65	100	625	633	640	1.8	2.1	2.4	140	450	10
		Green			28	54	80	565	570	575	1.8	2.1	2.4			
<a href="#">598-8430-202CF</a>	<a href="#">598-8430-207CF</a>	Orange			70	135	200	600	605	610	1.8	2.1	2.4			
		Green			18	59	100	565	570	575	1.8	2.1	2.4			
<a href="#">598-8440-202CF</a>	<a href="#">598-8440-207CF</a>	Yellow			70	135	200	585	590	595	1.8	2.1	2.4			
		Yellow-Green			18	59	100	565	570	575	1.8	2.1	2.4			
<a href="#">598-8450-202CF</a>	<a href="#">598-8450-207CF</a>	Yellow			70	135	200	585	590	595	1.8	2.1	2.4			
		Green			260	580	900	515	523	530	2.7	3.0	3.4			
<a href="#">598-8460-202CF</a>	<a href="#">598-8460-207CF</a>	Yellow			90	145	200	585	590	595	1.8	2.1	2.4			
		Red			30	60	90	625	633	640	1.8	2.1	2.4			

### Absolute Maximum Ratings @ Ts=25 °C

Power Dissipation (mW)	R ● Y 72	O ● Y 48	Y ● 48
	G ● R 72	G ● YG 48	G ● G 68
Forward Current (mA)	R ● Y 30	all others 20	
	G ● R		
Reverse Voltage (V)	5		
Operating Temp (°C)	-40 to +100		
Storage Temp (°C)	-40 to +100		
Peak Pulse Fw Current (mA)	60		
Electrostatic Discharge (HBM) (V)	R ● Y 2000	all others 1000	
	G ● R		
Junction Temp (°C)	105		



### Diagram Characteristics of Radiation



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