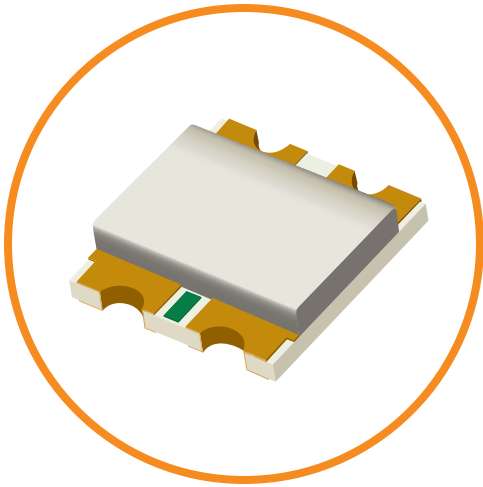
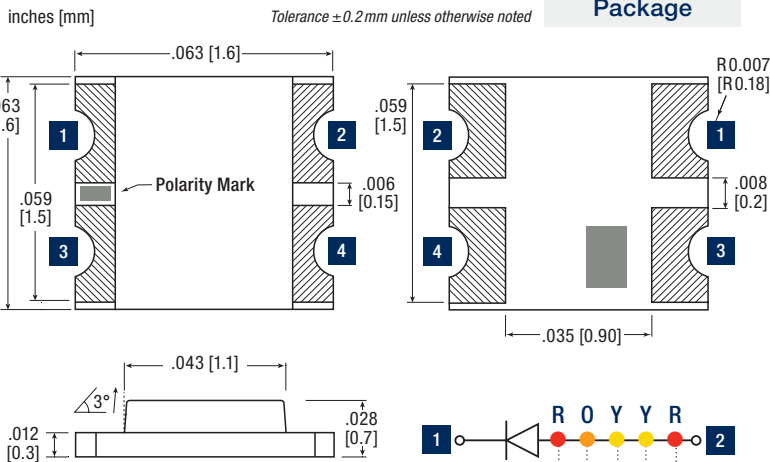




Dimensions



Certifications & Ratings

- RoHS compliant

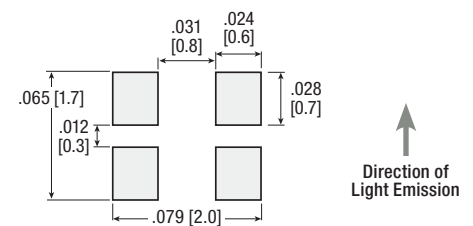
Features & Benefits

- 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.

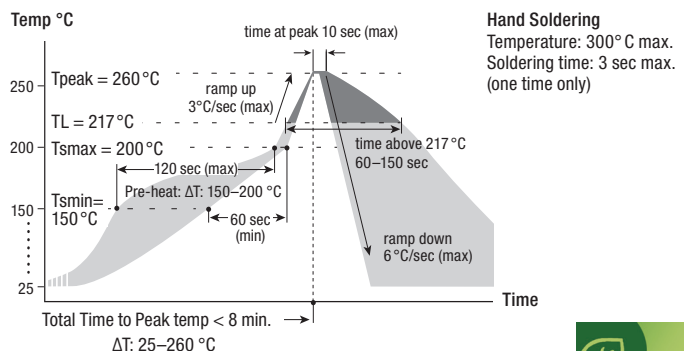
Part Number Guide

RoHS Compliant									
5	9	8	-	8	4	X	X	-	2 0 X C F
Color								Packaging Option	
Red								2	20 pieces on tape
Green								7	7" reel 4000 pcs/reel
Orange									
Green									
Yellow									
Yellow-Green									
Yellow									
Green									
Yellow									
Red									

Soldering



Reflow Profile

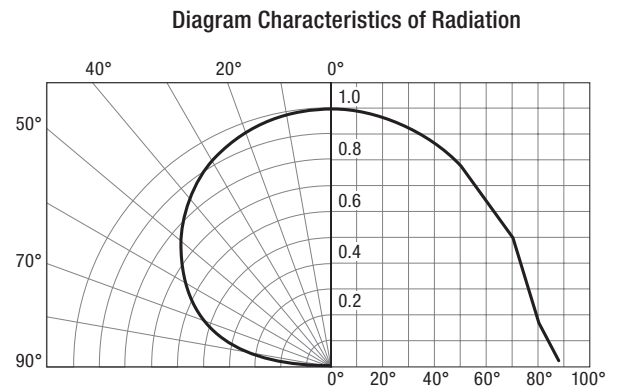
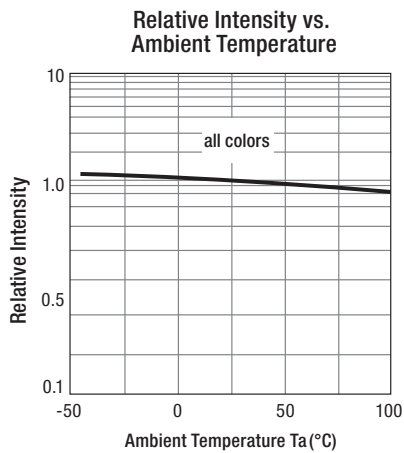
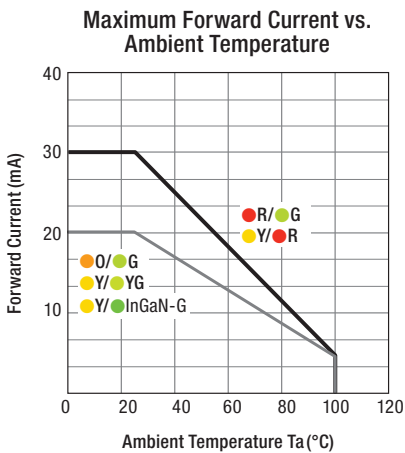
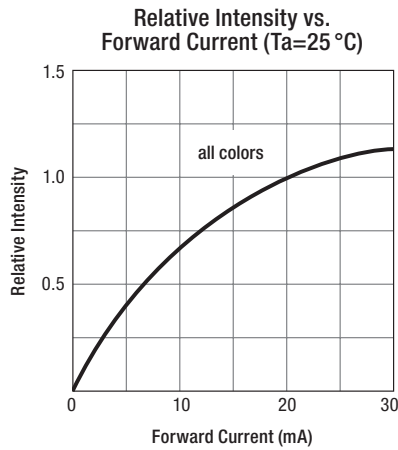
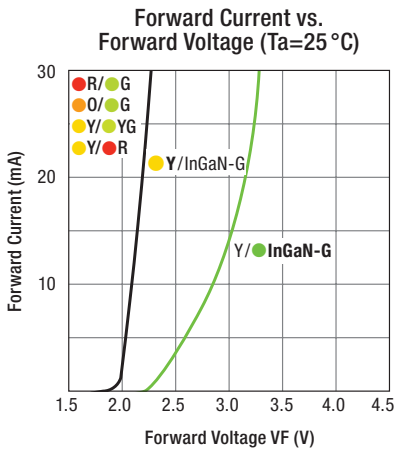


Electrical/Optical Characteristics

Electrical/Optical Characteristics					Luminous Intensity			Dominant Wavelength			Forward Voltage			Viewing Angle (°deg.)	Thermal Resistance (°C/W)	Reverse Current Intensity (μA)		
Dialight P/N		Emitted Color	Material	Lens Color	If = 20 ma											Rth(j-s) If=20 ma	(Ir) VR=5 V	
20-Piece Tape	7" Reel, 4000 pcs				Min	Typ	Max	Min	Typ	Max	Min	Typ	Max		Min	Typ	Max	
598-8410-202CF	598-8410-207CF	● 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					
598-8430-202CF	598-8430-207CF	● 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					
598-8440-202CF	598-8440-207CF	● 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					
598-8450-202CF	598-8450-207CF	● Yellow	70		135	200	585	590	595	1.8	2.1	2.4						
		● Green	InGaN		260	580	900	515	523	530	2.7	3.0	3.4					
598-8460-202CF	598-8460-207CF	● Yellow	AlInGaP		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 G 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		



Dialight reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.dialightsignalsandcomponents.com

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