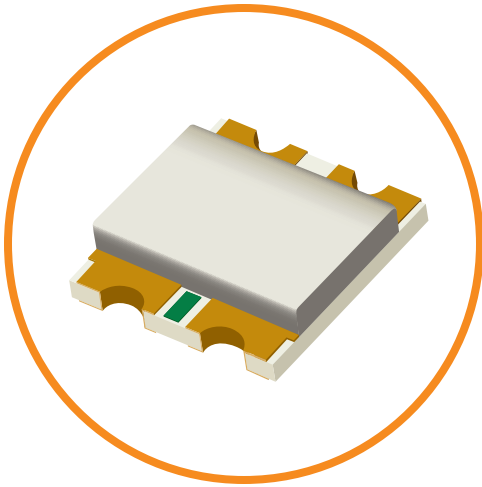
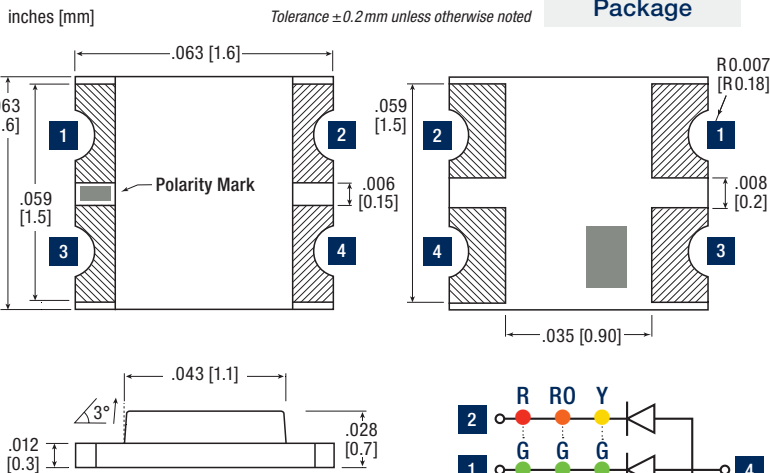




Dimensions



Certifications & Ratings

- RoHS compliant

Features & Benefits

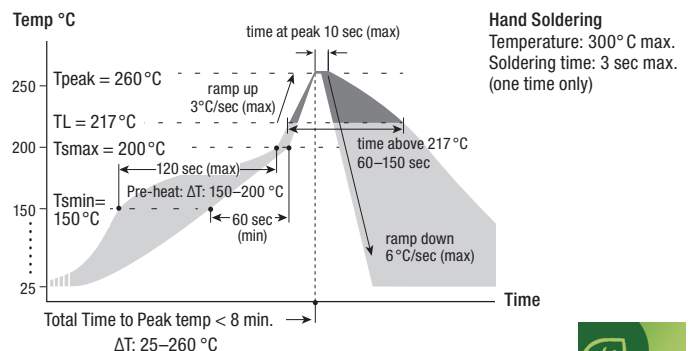
- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (4000 pcs/reel)
- Meets EIA-481-1 pkg. std.

Part Number Guide

Part Number										RoHS Compliant	
5	9	8	-	8	7	X	X	-	3	0	X F
										Packaging Option	
Color											
Red						1	0			7	7" reel 4000 pcs/reel
Green											
Blue											
Red-Orange						2	0				
Green											
Blue											
Yellow						4	0				
Green											
Blue											

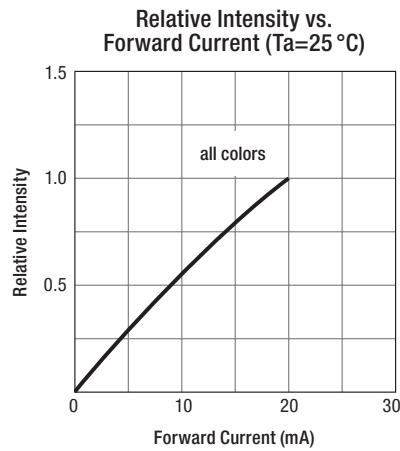
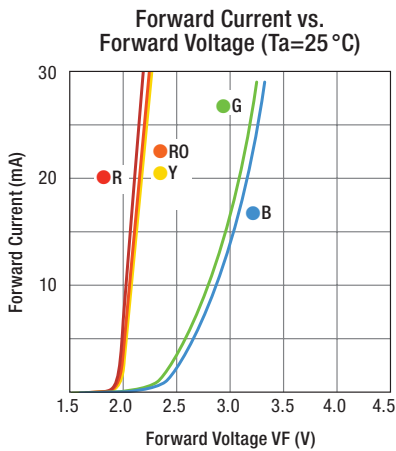
Soldering

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=5V
7" Reel, 4000 pcs				Min	Typ	Max	Min	Typ	Max	Min	Typ	Max			
598-8710-307F	Red	AlInGaP	Non-Diffused	35	67	100	625	630	640	1.8	2.1	2.4	140	450	10
	Green	InGaN		260	580	900	515	520	525	3.0	3.2	3.4			
	Blue			60	150	260	465	470	475	3.0	3.2	3.4			
598-8720-307F	Red-Orange	AlInGaP		65	100	150	620	625	630	1.8	2.1	2.4			
	Green	InGaN		260	580	900	515	520	525	3.0	3.2	3.4			
	Blue			60	150	260	465	470	475	3.0	3.2	3.4			
598-8740-307F	Yellow	AlInGaP		70	135	200	585	590	595	1.8	2.1	2.4			
	Green	InGaN		260	580	900	515	523	530	3.0	3.2	3.4			
	Blue			60	150	260	465	470	475	3.0	3.2	3.4			



Absolute Maximum Ratings @ Ts=25 °C

Power Dissipation (mW)	48 R, RO & Y 68 G & B
Forward Current (mA)	20
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)	1000
Junction Temp (°C)	95

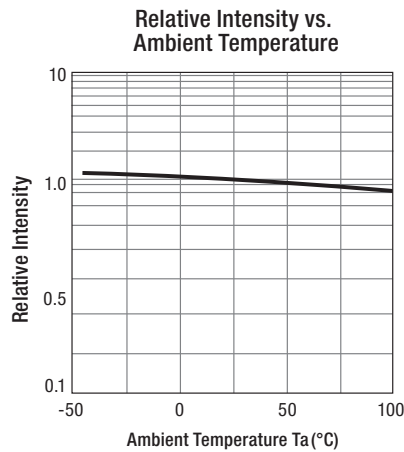
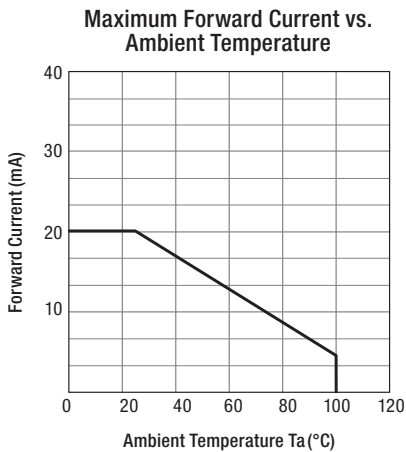


Diagram Characteristics of Radiation

