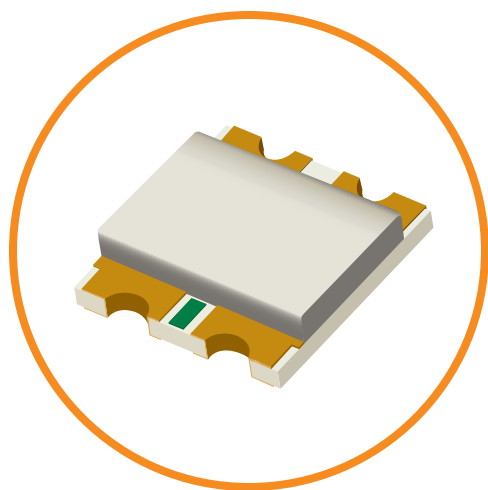


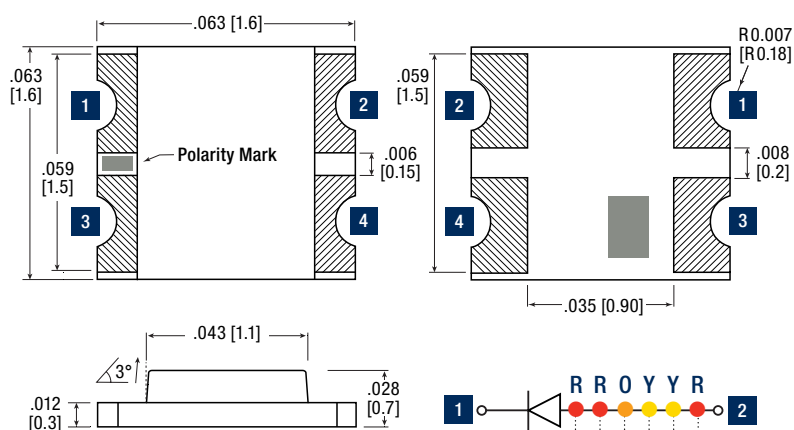


Dimensions

inches [mm]

Tolerance ± 0.2 mm unless otherwise noted

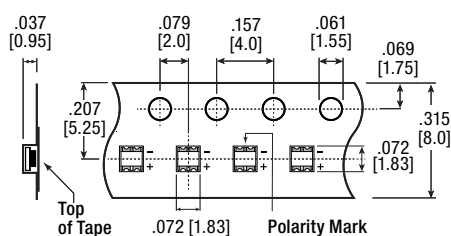
Package



Tape

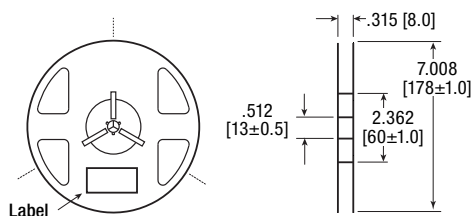
Tolerance ± 0.1 mm unless otherwise noted

Feed Direction



Reel

Tolerance ± 0.1 mm unless otherwise noted



Certifications & Ratings

- RoHS compliant

Features & Benefits

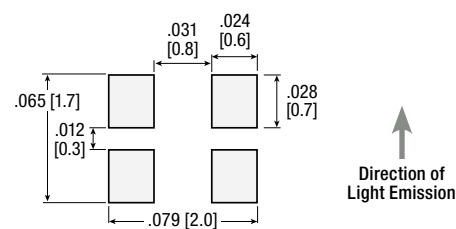
- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (4000 pcs/reel)
- MLS Rating: 3

Part Number Guide

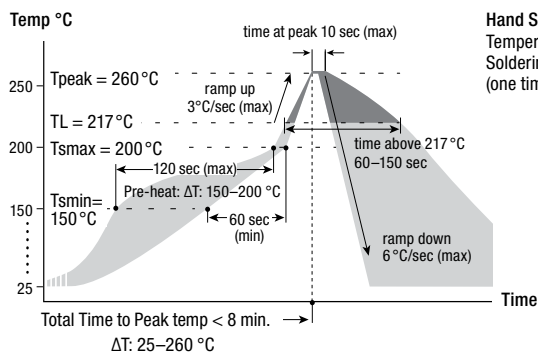
RoHS Compliant

5	9	8	-	8	4	X	X	-	2	0	X	C	F
Color							Packaging Option						
 Red						1	0	7 7" reel 4000 pcs/reel					
 Yellow-Green													
 Red						2	2						
 Green													
 Orange						3	0						
 Yellow-Green													
 Yellow						4	0						
 Yellow-Green													
 Yellow						5	0						
 Green													
 Yellow						6	0						
 Red													

Soldering



Reflow Profile



Hand Soldering
Temperature: 300° C max.
Soldering time: 3 sec max.
(one time only)



Electrical/Optical Characteristics

Electrical/Optical Characteristics				Luminous Intensity (mcd)			Dominant Wavelength (nm)			Forward Voltage (V)			Viewing Angle (°deg.)	Thermal Resistance (°C/W)	Reverse Current Intensity (μA)
	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			
598-8410-207CF	Red	AlInGaP	Non-Diffused	43	65	100	625	633	640	1.8	2.1	2.4	140	450	10
	Yellow-Green	AlInGaP		28	54	80	565	570	575	1.8	2.1	2.4			
598-8422-207CF	Red	AlInGaP		150	350	530	620	625	630	1.8	2.1	2.4			
	Green	InGaP		260	560	900	520	525	530	2.8	3.2	3.6			
598-8430-207CF	Orange	AlInGaP		70	135	200	600	605	610	1.8	2.1	2.4			
	Yellow-Green	AlInGaP		18	59	100	565	570	575	1.8	2.1	2.4			
598-8440-207CF	Yellow	AlInGaP		70	135	200	585	590	595	1.8	2.1	2.4			
	Yellow-Green	AlInGaP		18	59	100	565	570	575	1.8	2.1	2.4			
598-8450-207CF	Yellow	AlInGaP		70	135	200	585	590	595	1.8	2.1	2.4			
	Green	InGaP		260	580	900	515	523	530	2.7	3.0	3.4			
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)	Red R 72	Yellow Y 48	Orange O 48	Yellow-Green YG 48	Green G 68	Red R 72
Forward Current (mA)	30					
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)	Red R 2000	Yellow Y 2000	Orange O 2000	Yellow-Green YG 2000	Green G 1000	Red R 1000
Junction Temp (°C)	95					

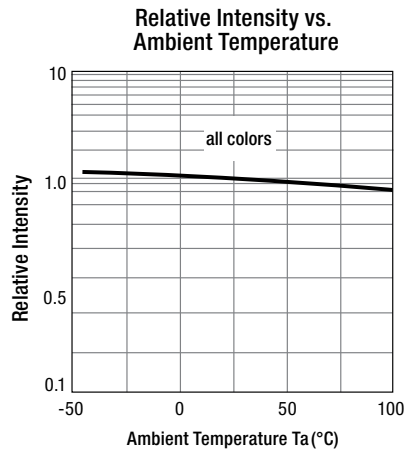
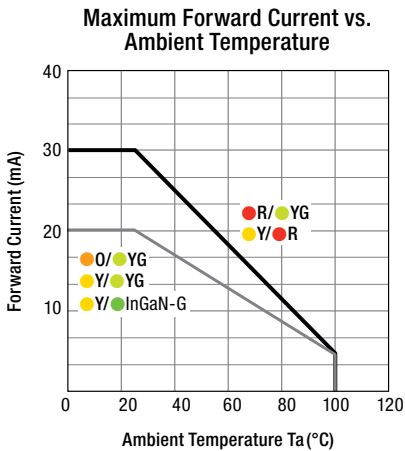
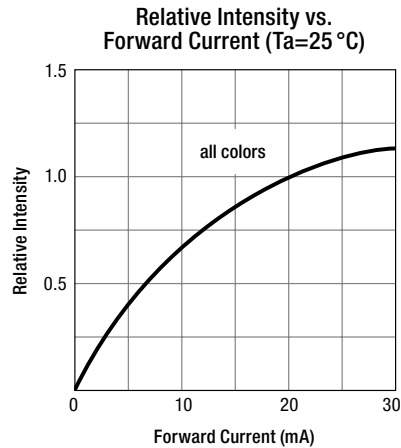
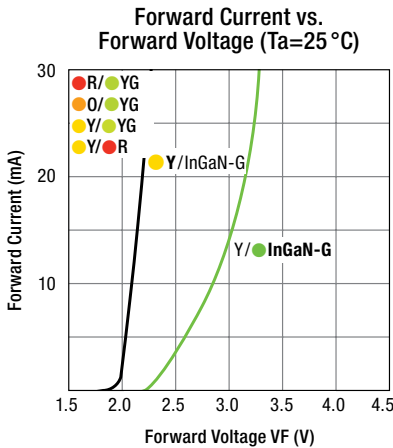


Diagram Characteristics of Radiation

