



Certifications & Ratings

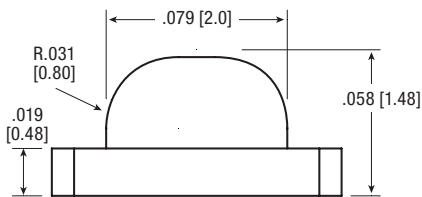
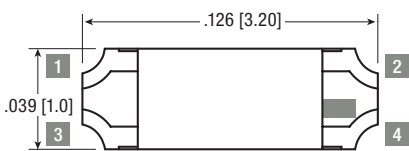
- RoHS compliant

Features & Benefits

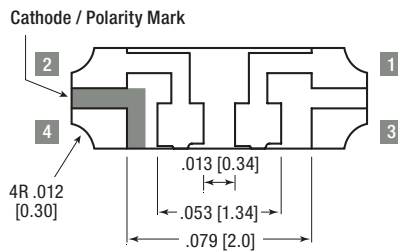
- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (3000 pcs/reel) and 20 per strip
- Meets EIA-481-1 pkg. std.

Dimensions

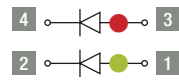
inches [mm]



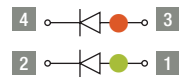
Package



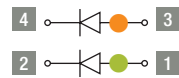
598-8510-207F (R/YG)



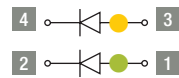
598-8520-207F (RO/YG)



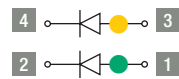
598-8530-207F (O/YG)



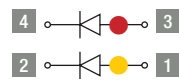
598-8540-207F (Y/YG)



598-8550-207F (Y/G)

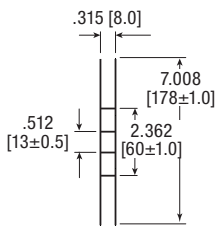
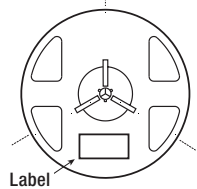


598-8560-207F (R/Y)

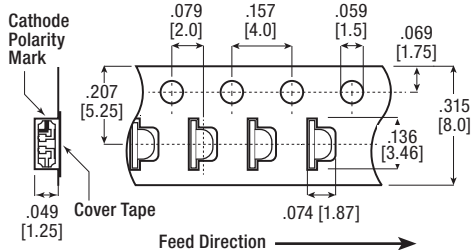


Reel

Tolerance to 0.1 mm unless otherwise noted



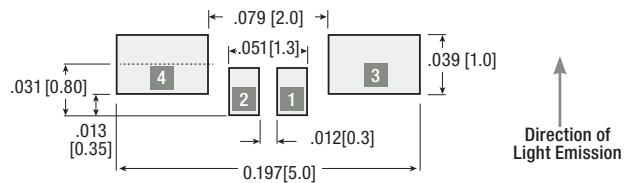
Tape



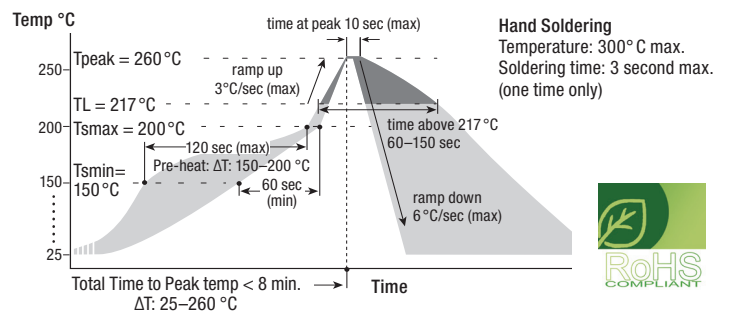
Part Number Guide

5	9	8	-	8	5	X	X	-	2	0	X	F		
											RoHS Compliant			
											Color			
											Packaging Option			
											1	0	2	20 pieces on tape
											2	0	7	7" reel 3000 pcs/reel
											3	0		
											4	0		
											5	0		
											6	0		

Soldering



Reflow Profile



Electrical/Optical Characteristics

Dialight P/N	Emitted Color	Material	Lens Color	Luminous Intensity			Dominant Wavelength			Forward Voltage			Viewing Angle (°degrees)	Thermal Resistance (°C/W)	Reverse Current Intensity (µA)
				If = 20 ma											
				Min	Typ	Max	Min	Typ	Max	Min	Typ	Max			
598-8510-207F	● Red	AllInGaP	Water Clear	40	80	120	625	632	640	1.8	—	2.4	140	450	10
	● Yellow-Green			30	40	50	562	567	575	—	—	—			
598-8520-207F	● Red-Orange			90	150	200	620	625	630	1.8	—	2.4			
	● Yellow-Green			30	40	50	562	567	570	—	—	—			
598-8530-207F	● Orange			90	150	200	600	605	610	1.8	—	2.4			
	● Yellow-Green			30	40	50	562	567	570	—	—	—			
598-8540-207F	● Yellow			90	150	200	585	590	595	1.8	—	2.4			
	● Yellow-Green			30	40	50	562	567	570	—	—	—			
598-8550-207F	● Yellow			90	150	200	585	590	595	1.8	—	2.4			
	● Green			InGaN	260	560	900	520	525	530	3.0	—			
598-8560-207F	● Yellow	AllInGaP	90	150	200	585	590	595	1.8	—	2.4				
	● Red		40	65	90	630	635	640	—	—	—				

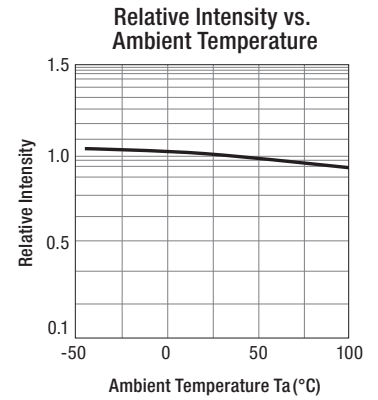
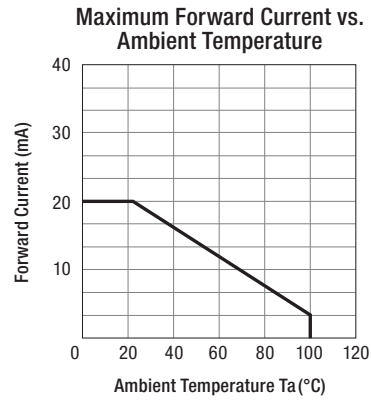
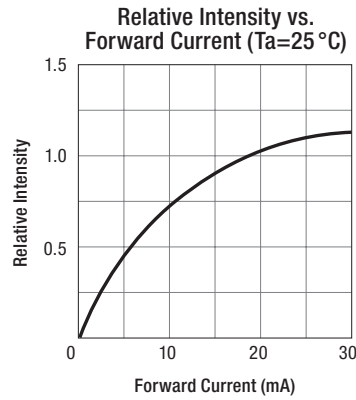
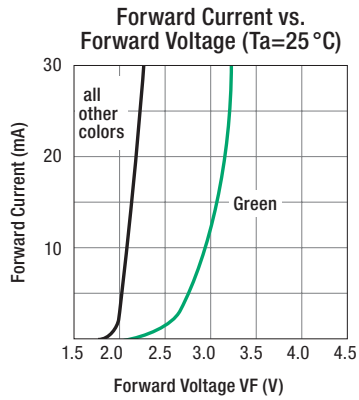
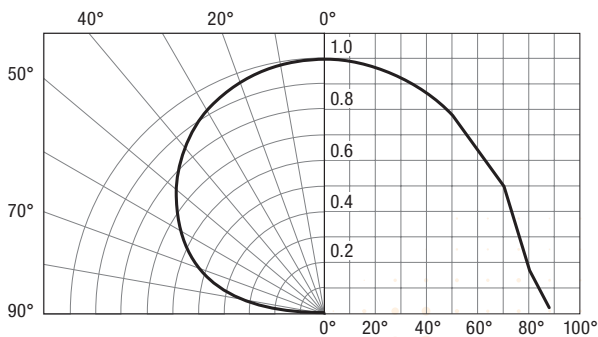


Diagram Characteristics of Radiation



Absolute Maximum Ratings @ Ts=25°C

Power Dissipation (mW)	●G 68	48
Forward Current (mA)	20	
Reverse Voltage (V)	5	
Operating Temp (°C)	-40~+100	
Storage Temp (°C)	-40~+100	
Peak Pulse Fw Current (mA)	60	
Electrostatic Discharge (HBM) (V)	1000	2000
	598-8550-207F ●Y/●G	all other part #s
Junction Temp (°C)	105	

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