



### 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			InGaN	90	150	200	585	590	595	1.8	—				2.4
	● Yellow-Green				30	40	50	562	567	570						
598-8550-207F	● Yellow			AllInGaP	90	150	200	585	590	595	1.8	—				2.4
	● Green				260	560	900	520	525	530						
598-8560-207F	● Yellow	AllInGaP	90	150	200	585	590	595	1.8	—	2.4					
	● Red		40	65	90	630	635	640								

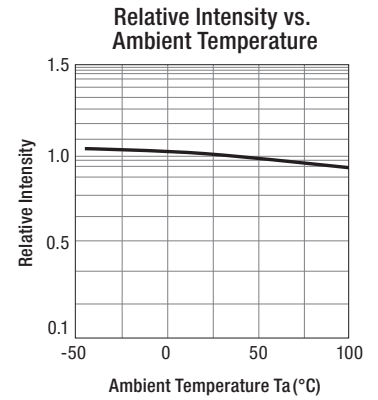
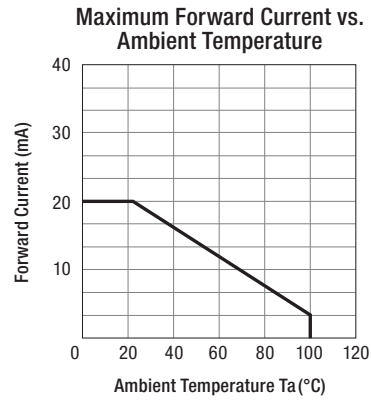
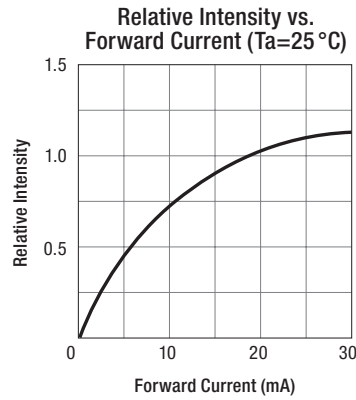
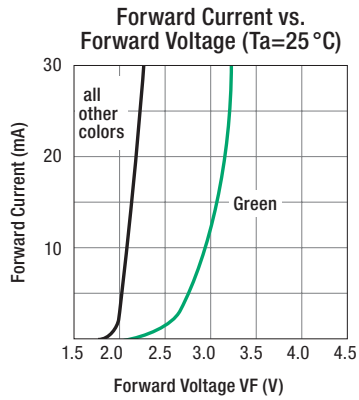
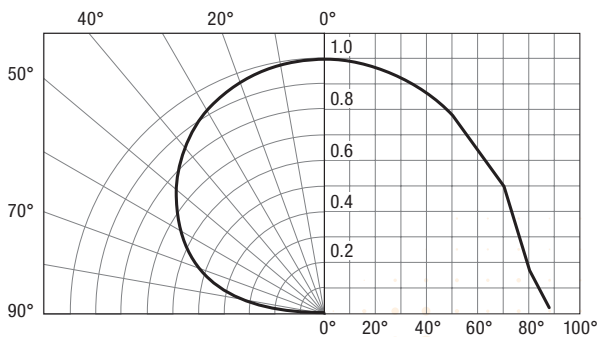


Diagram Characteristics of Radiation



### 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	

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](http://www.dialightsignalsandcomponents.com)

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