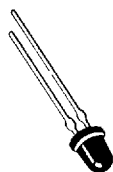


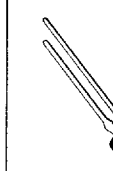
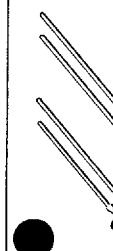


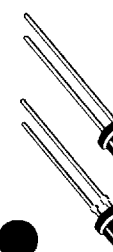
*Ta = 25°C

7 Opto LED Lamps

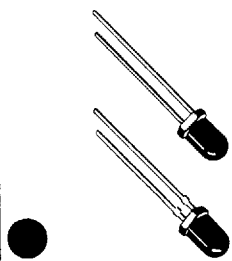
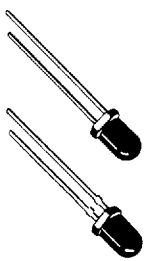
Type	Emitting Color				Lens		Material	Maximum Ratings				Electrical Characteristics				Figure	
	Red	Green	Yellow	Amber	Colorless	Colored		Diffused	I _F (mA)	V _R (V)	P _D (mW)	I _V (mcd)	I _F (mA)	λ _p (nm)	I _F (mA)		Δλ (nm)
							GaP	20	4	60	3.5	10	700	10	100		
							GaP	25	4	70	5.5	10	565	10	30		
							GaP	25	4	70	6	10	565	10	30		
							GaAsP	25	4	70	3.5	15	630	15	40		
							GaP	20	4	60	1.5	10	700	10	100		
							GaAsP	25	4	70	4	15	635	15	40		
							GaP	25	4	70	3.5	10	565	10	30		
							GaP	25	4	70	4	10	565	10	30		
							GaAsP	25	4	70	2	15	630	15	40		
							GaP	20	4	60	1.5	10	700	10	100		

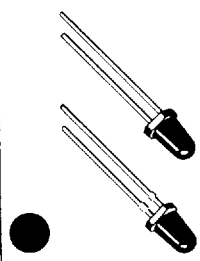
							GaP	20	4	60	10	15	700	15	100
							GaP	25	4	70	30	15	565	15	30
							GaP	20	4	60	7.0	15	700	15	100
							GaP	25	4	70	25	15	565	15	30
							GaP	25	4	70	25	15	565	15	30
							GaAsP	25	4	70	20	15	630	15	40
							GaP	20	4	56	0.5	10	700	10	100
							GaAsP	25	4	70	1.2	10	635	10	40
							GaP	25	4	70	0.5	10	565	10	30
							GaP	25	4	70	0.7	15	565	10	30

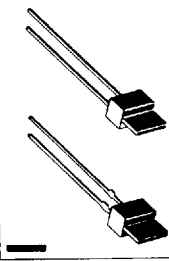
							GaP	20	4	60	10	15	700	15	100
							GaAsP	25	4	70	60	15	565	15	100
							GaP	20	4	90	12	15	700	15	100
							GaP	25	4	90	3.5	15	700	10	100
							GaAsP	25	4	100	1.5	15	635	15	40

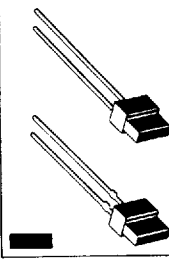
							GaP	20	4	90	12	15	700	15	100
							GaP	25	4	90	60	15	565	15	100
							GaP	20	4	90	3.5	15	700	10	100
							GaAsP	25	4	100	1.5	15	635	15	40
							GaAsP	25	4	100	1.2	10	630	15	40

*Ta = 25°C

Type	Emitting Color				Lens			Material	Maximum Ratings				Electrical Characteristics				Figure	
	Red	Green	Yellow	Amber	Colorless	Colored	Diffused		I _F (mA)	V _R (V)	P _D (mW)	I _V (mcd)	I _F (mA)		Δλ (nm)			
													A _p (nm)	I _F (mA)				
								GaP	25	4	100	9	15	565	20	30	20	F46/47
								GaP	25	4	100	10	15	565	20	32	15	
								GaAsP	25	4	100	8	15	630	15	40	15	
								GaP	20	4	90	15	15	700	10	100	10	
								GaAsP	25	4	100	7	15	635	15	40	15	
								GaP	25	4	100	45	15	565	15	30	15	
								GaP	25	4	100	5	15	565	15	30	15	
								GaAsP	25	4	70	4	15	630	15	40	15	

								GaP	20	4	90	15	15	700	15	100	15	F48/49
								GaP	25	4	100	65	20	565	20	30	20	
								GaP	20	4	90	5	15	700	15	100	15	
								GaP	25	4	100	13	20	565	20	30	20	
								GaP	25	4	100	15	20	565	20	30	20	
								GaAsP	25	4	70	11	20	630	15	40	20	

								GaP	20	4	56	0.7	15	700	15	100	15	F51/F41
								GaAsP	25	4	70	1.6	15	635	15	40	15	
								GaP	25	4	70	1.5	15	565	15	30	15	
								GaP	25	4	70	1.7	15	565	15	30	15	
								GaAsP	25	4	70	1.2	15	630	15	40	15	

								GaP	20	4	56	0.5	15	700	15	100	15	F54/F44
								GaAsP	25	4	70	1.2	15	635	15	40	15	
								GaP	25	4	70	1.2	15	565	15	30	15	
								GaP	25	4	70	1.4	15	565	15	30	15	
								GaAsP	25	4	70	1	15	630	15	40	15	