

LEDs, SLD (Super Luminescent Diode)

(Unless otherwise noted, Typ. Ta=25 °C)

Type No.	Package	Radiant Output Power P _o (I _f =20 mA) (mW)	Peak Sensitivity Wavelength λ _p (I _f =20 mA) (nm)	Spectral Halfwidth Δλ (I _f =20 mA) (nm)	Rise Time t _r (I _f =50 mA) (μs)	Fall Time t _f (I _f =50 mA) (μs)	Maximum Ratings			
							Forward Current I _f (mA)	Reverse Voltage V _r (V)	Pulsed Forward Current I _{fP} (A)	Power Dissipation P (mW)

GaAlAs Red LED

L3882	TO-46 (Resin window)	1.8 (I _f =20 mA)	660 (I _f =20 mA)	20 (I _f =20 mA)	0.1	0.07	80	3	0.8	180
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GaAs Infrared LEDs

L2388	TO-46 (Resin window)	6.0	940	40	1.0	1.1	80	5	1.0	150
L2204	Plastic						65			110

GaAlAs Infrared LEDs

L2959	φ2 mm (Lens window)	1.7	890	80	0.55	0.6	80	5	1	140						
L1816	TO-46 (Resin window)	10														
L1915-01	TO-46 (Lens window)	4.5									0.5	0.55	100	1.5	190	
L1915-02	TO-46 (Glass window)															
L1939	TO-46 (Resin window)	10									50	0.4	0.42	100	1.5	190
L2402	Plastic	9														
L3458		13									65	1.0	110			
L2690	14	100												1.5	190	
L2656	TO-46 (Resin window)										15	80	1.0			150
L4100	Plastic	14									70			0.8	130	
L4175		6	3	2	130											
L4481	TO-46 (Resin window)	8				900	50	0.5	0.5	80	3	1.5	150			
L4492	8	1.0														

High-speed GaAlAs Infrared LEDs

L2683	TO-46 (Resin window)	5.0	890	60	0.01	0.01	80	3	0.8	180
L2683-01	TO-46 (Lens window)	2.2								
L3980	TO-46 (Resin window)	8.0	830	40						

GaAlAs Infrared LEDs with Microball Lens

L2791	TO-46 (Glass window)	2	880	60	0.12	0.12	80	3	0.5	150
L2791-02	TO-46 (Lens window)									
L2792-02	TO-46 (Glass window)	1.5	830	50	0.01	0.01	70		0.25	

Infrared SLD (Super Luminescent Diode)

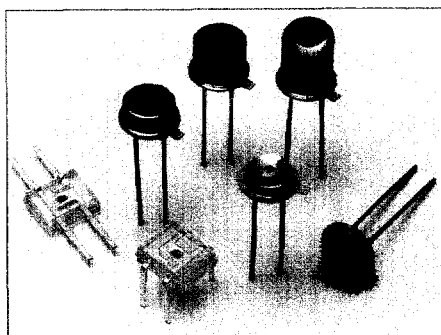
L3302	Metal with radiator	3.0 (I _f =100 mA)	840 (I _f =100 mA)	10 (I _f =100 mA)	—	—	170	1.5	—	—
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Infrared Pulsed Laser Diodes

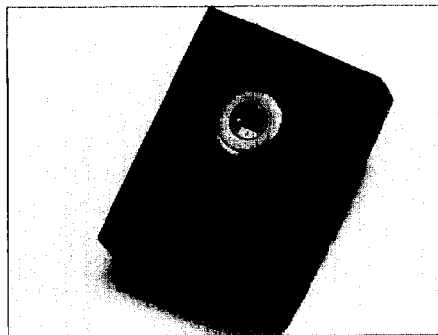
(Unless otherwise noted, Typ. Ta=25 °C)

Type No.	Package	Radiant Output Power P _o Min. (W)	Peak Sensitivity Wavelength λ _p (nm)	Spectral Halfwidth Δλ (nm)	Rise Time t _r Max. (ns)	Beam Spread Angle *1		Threshold Current I _{th} (A)	Maximum Ratings		
						Parallel θ _p (°)	Vertical θ _v (°)		Pulsed Forward Current I _{fP} (A)	Pulse Width t _w (ns)	Duty Ratio DR (%)
L2376	Metal	10	905	4	0.5	16	26	8	40	150	0.07
L4356-01	(coaxial)	15	880			10	25	2	20	200	
L4356-02	TO-18					11	24				
L5758	TO-18	20	860			10	30	1	30	100	0.075
L7055-04	φ9		870								

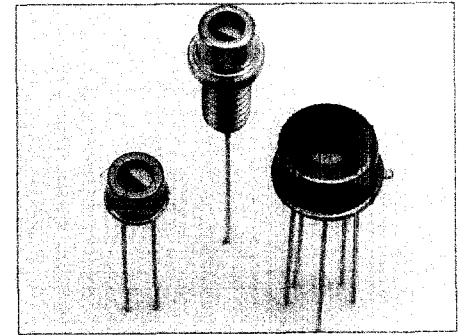
*1: Full angle at half maximum



▲ Infrared LEDs



▲ SLD



▲ Infrared Pulsed Laser Diodes