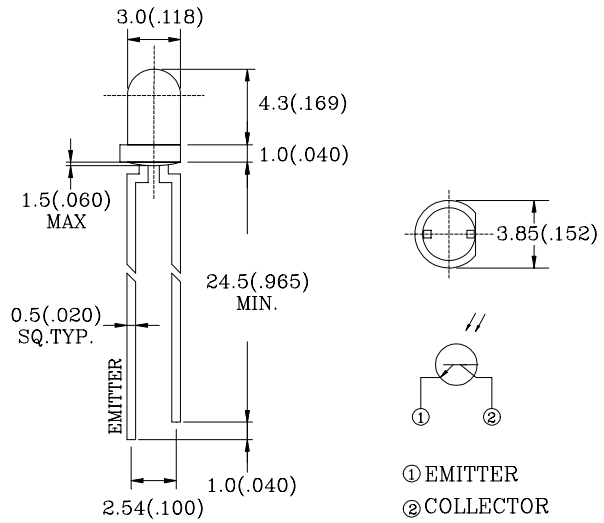




◆ PACKAGE DIMENSIONS



◆ ABSOLUTE MAXIMUM RATING: (Ta=25°C)

Part No.	P <sub>D</sub> (mw)	V <sub>(BR)CEO</sub> (V)	Topr	Tstg
L-31ROPT1XX	10	30	-35°C to 85°C	-35°C to 85°C
PARAMETER	Power Dissipation	Reverse break down Voltage	Operating Temperature Range	Storage Temperature Range

Lead Soldering Temperature { 1.6mm ( 0.063 inch ) From Body } 250°C±15°C For 3 Seconds

◆ ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)

Part No.	BV <sub>CEO</sub> (V)			BV <sub>ECO</sub> (V)			I <sub>CEO</sub> (nA)			V <sub>CE(S)</sub> (V)			tr/t <sub>F</sub> (uS)			I <sub>C</sub> (mA)			C <sub>CB</sub> (pF)			Δλ (nm)			
	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Peak	Max	
L-31ROPT1C	30			5					100			0.4		15/15		0.9	1.8			6.4			400		1050
L-31ROPT1D1	30			5					100			0.4		15/15		0.8	1.6			6.4			900	940	
L-31ROPT1D2	30			5					100			0.4		15/15		0.8	1.6			6.4			800	870	
TEST CONDITION	I <sub>C</sub> =100uA Ee=0mW/cm <sup>2</sup>			I <sub>E</sub> =100uA Ee=0mW/cm <sup>2</sup>			V <sub>CE</sub> = 20V Ee=0mW/cm <sup>2</sup>			I <sub>C</sub> = 2mA Ee=0.5mW/cm <sup>2</sup>			V <sub>CE</sub> = 5V I <sub>C</sub> = 1mA RL= 1000Ω			V <sub>CE</sub> = 5V Ee=0.1mW/cm <sup>2</sup>			f = 1MHZ V <sub>CB</sub> =3V Ee=0mW/cm <sup>2</sup>						
PARAMETER	COLLECTOR-EMITTER BREAKDOWN VOLTAGE			EMITTER-COLLECTOR BREAKDOWN VOLTAGE			COLLECTOR DARK CURRENT			COLLECTOR-EMITTER SATURATION VOLTAGE			RISE/FALL TIME			ON STATE COLLECTOR CURRENT			COLLECTOR BASE CAPACITANCE			SPECTRAL SENSITIVITY WAVELENGTH			

D1,D2 = BLACK

1. All dimension are in millimeter (inches).
2. Tolerance is ±0.25mm( 0.01”)unless otherwise specified.