

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 10 mA		Viewing Angle
			Min.	Typ.	2θ1/2
L-34HD	BRIGHT RED (GaP)	RED DIFFUSED	1	3	60°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

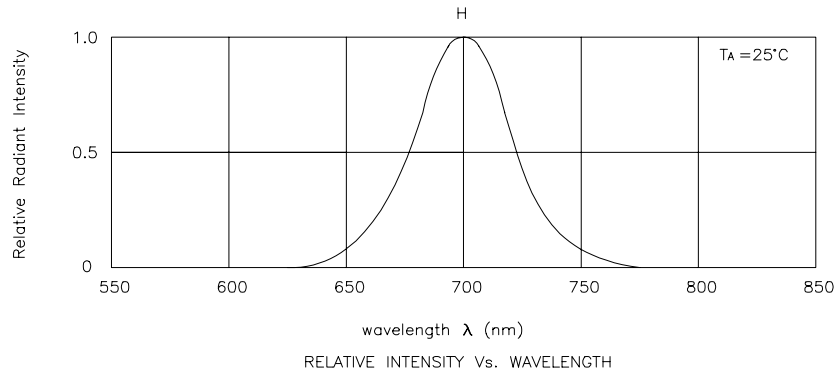
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Bright Red	700		nm	I _F =20mA
λ _D	Dominate Wavelength	Bright Red	660		nm	I _F =20mA
Δλ _{1/2}	Spectral Line Half-width	Bright Red	45		nm	I _F =20mA
C	Capacitance	Bright Red	40		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Bright Red	2.25	2.5	V	I _F =20mA
I _R	Reverse Current	Bright Red		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Bright Red	Units
Power dissipation	120	mW
DC Forward Current	25	mA
Peak Forward Current [1]	130	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.



Bright Red L-34HD

