

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20mA		Viewing Angle
			Min.	Typ.	
GHB-3M50-RO	HYPER ORANGE (InGaAlP)	WATER CLEAR	900	2000	50

Note:

1 1/2 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
peak	Peak Wavelength	Hyper Orange	630		nm	I _F = 20mA
D	Dominate Wavelength	Hyper Orange	621		nm	I _F = 20mA
1/2	Spectral Line Half-width	Hyper Orange	20		nm	I _F = 20mA
C	Capacitance	Hyper Orange	25		pF	V _F = 0V; f = 1MHz
V _F	Forward Voltage	Hyper Orange	2.0	2.5	V	I _F = 20mA
I _R	Reverse Current	Hyper Orange		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25 C

Parameter	Hyper Orange	Units
Power dissipation	150	mW
DC Forward Current	30	mA
Peak Forward Current [1]	195	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.

