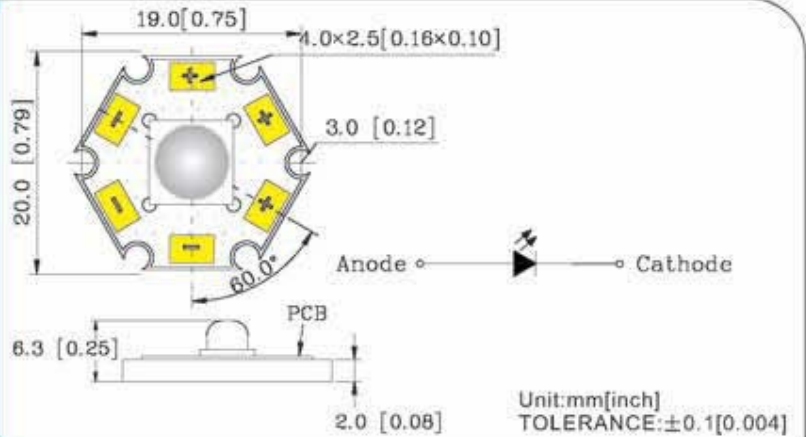


Hexagon High Power LED



Part Number	Chip Material	Emitted Color	Lens Type	Forward Voltage VF(V)		Dominant Wavelength (nm)		Luminous Flux (lm)		Reverse Current I _r (uA) ATV _r =5V	Viewing Angle 2θ 1/2 (°)
				Min	Max	Min	Max	Min	Max		
RL-H11RA1	AlGaInP	Super Red	Water Clear	1.9	2.5	620	630	6	10	<100	30/60/120
RL-H11YA1	AlGaInP	Super Yellow	Water Clear	1.9	2.5	585	595	8	12	<100	30/60/120
RL-H11GA1	InGaN	Pure Green	Water Clear	3.0	3.8	515	525	8	12	<100	30/60/120
RL-H11BA1	InGaN	Blue	Water Clear	3.0	3.8	460	470	2.5	6.5	<100	30/60/120
RL-H11WA1	InGaN	White	Water Clear	3.0	3.8	--	--	14	18	<100	30/60/120

Absolute Maximum Ratings at Ta=25°C

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	350	mA
Reverse Current	IR	≤100	mA
Peak Forward Current*	IFP	400	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	1000	mW
Electrostatic discharge	ESD	400	V
Operation Temperature	Topr	-25~+80	°C
Storage Temperature	Tstg	-40~+80	°C
Lead Soldering Temperature*	Tsol	Max. 230°C for 5sec Max.	

*IFP Conditions: Pulse Width ≤ 10msec duty ≤ 1/10

*Tsol Conditions: 3mm from the base of the epoxy bulb

FEATURES:

- ◆ Low power consumption
- ◆ High efficiency
- ◆ Ideal for backlight and indicator
- ◆ Versatile mounting on p.c board or panel.
- ◆ I.C compatible/ low current requirement.

Note: 1. Absolute maximum ratings Ta=25°C.

2. Tolerance of measurement of forward voltage ±0.1V.

3. Tolerance of measurement of peak Wavelength ±2.0nm.

4. Tolerance of measurement of luminous intensity ±15%.

Typical Electrical / Optical Characteristics Curves 25°C Ambient Temperature Unless Otherwise Noted)

