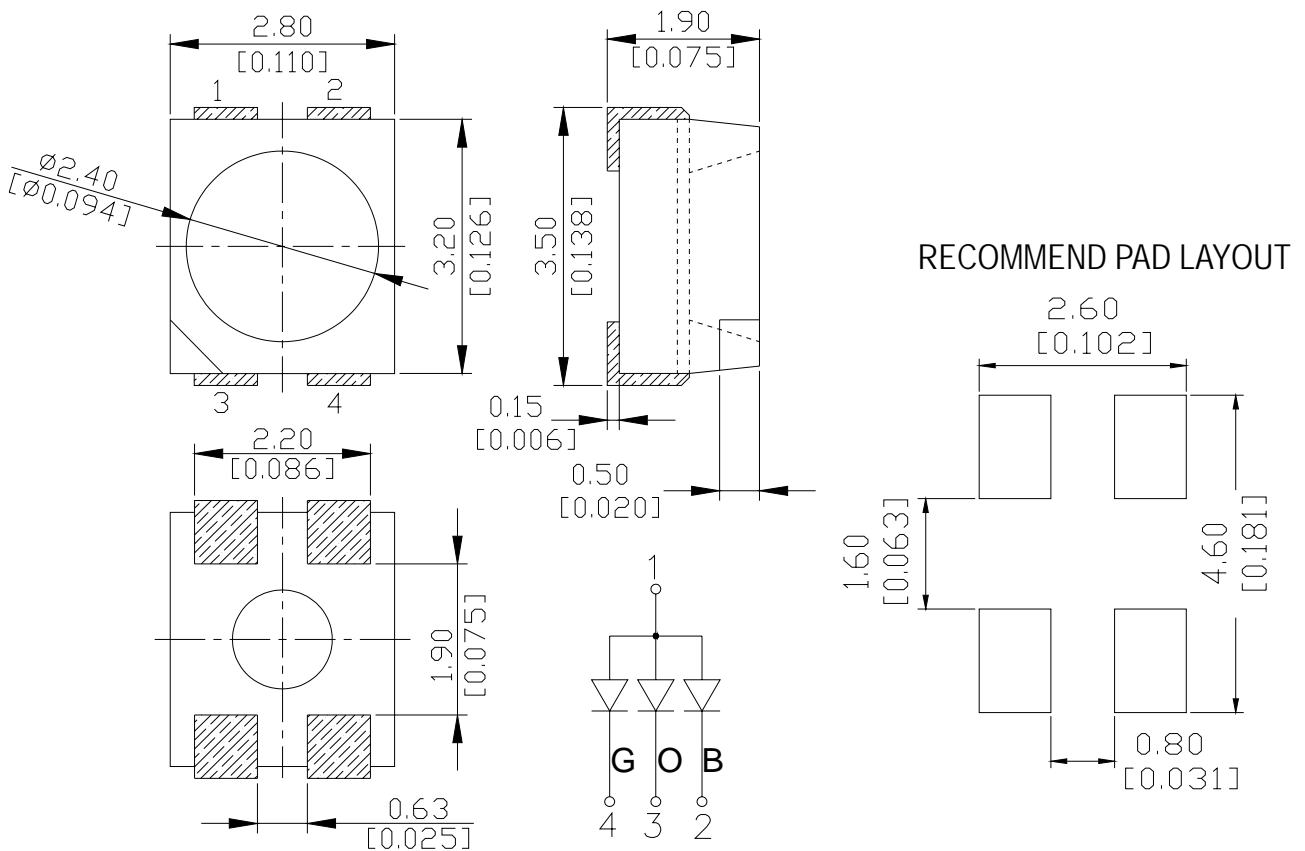



# Package outlines





**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
SENSITIVE DEVICES

ITEM	MATERIALS		
Resin	Epoxy		
Bonding Wire	Ø 25 µm Au		
Lens color	Water transparent		
Dice	InGaN	AllnGaN	AlGaInP
Emitted color	Blue	Green	Red

**NOTES:**

1. All dimensions are in millimeters (inches);
2. Tolerances are ±0.2mm (0.008inch) unless otherwise noted.

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			A/0

Absolute maximum ratings						(T <sub>A</sub> =25°C)	
Parameter	Symbol	Value			Unit		
		R	G	B			
Power dissipation	Pd	72	105	105	mW		
Forward current	I <sub>f</sub>	30			mA		
Reverse voltage	V <sub>r</sub>	5			V		
Operating temperature range	T <sub>op</sub>	-40 ~ +85			°C		
Storage temperature range	T <sub>stg</sub>	-40 ~ +100			°C		
Peak pulsing current	I <sub>fp</sub>	100			mA		

Electro-optical characteristics						(T <sub>A</sub> =25°C)	
Parameter	Test Condition	Symbol	Value			Unit	
			Min.	Typ.	Max.		
Wavelength at peak emission	I <sub>f</sub> =20mA	R	--	--	--	nm	
		G	--	--	--		
		B	--	--	--		
Spectral half bandwidth	I <sub>f</sub> =20mA	R	--	20	--	nm	
		G	--	35	--		
		B	--	30	--		
Dominant wavelength	I <sub>f</sub> =20mA	R	620	--	630	nm	
		G	520	--	530		
		B	460	--	470		
Forward voltage	I <sub>f</sub> =20mA	R	--	2.0	2.4	V	
		G	--	3.1	3.5		
		B	--	3.1	3.5		
Luminous intensity	I <sub>f</sub> =20mA	R	--	140	170	mcd	
		G	--	450	500		
		B	--	140	180		
Viewing angle at 50% I <sub>v</sub>	I <sub>f</sub> =10mA	2θ 1/2	--	120	--	Deg	
Reverse current	V <sub>r</sub> =5V	I <sub>r</sub>	--	--	10	μA	

NOTE: (Tolerance: I<sub>v</sub> ±10%, λ<sub>d</sub> ±2nm, V<sub>f</sub> ±0.05V)  
 IFP Conditions : Pulse Width ≦ 10msec. and Duty ≦ 1/10.

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