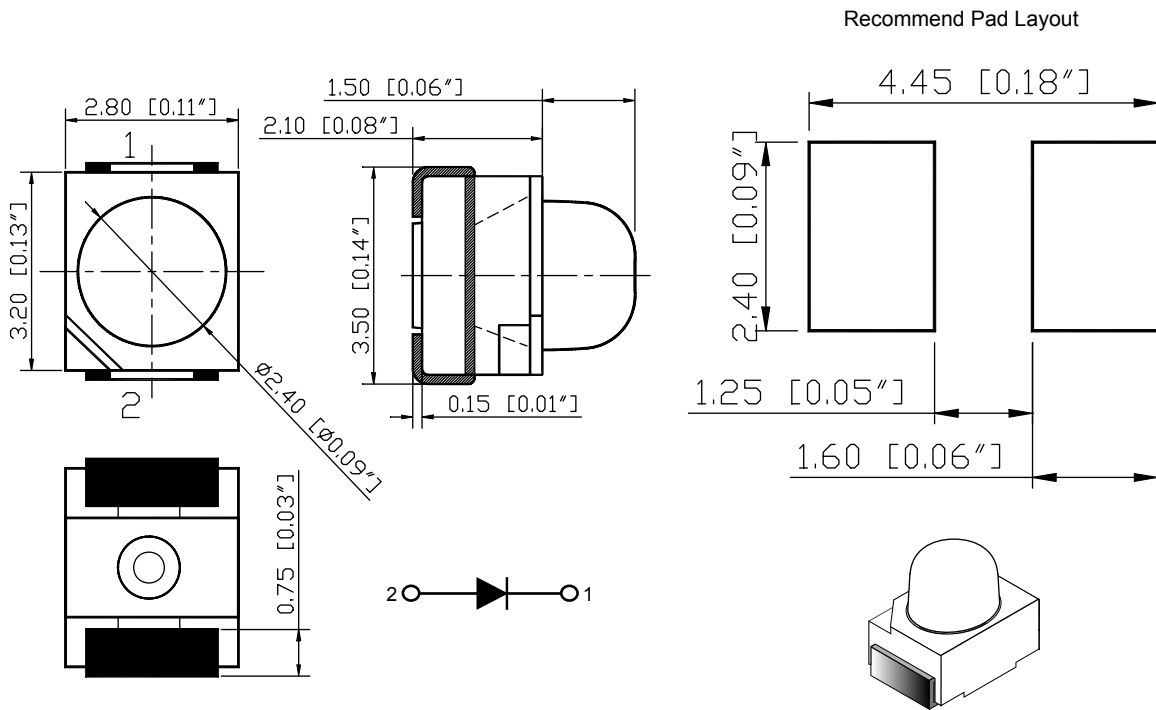


ST-315SRC



Dice	Red (AlGaAs/GaAs)	Lens Type	Water transparent
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Absolute Maximum Rating at (Ta=25°C)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	Pd	69	mW
Forward Current	If	30	mA
Peak Forward Current Per chip *	I _{fp}	125	mA
Operating Temperature Range	Topr	- 40 °C to + 85 °C	
Storage Temperature Range	Tstg	- 40 °C to + 85 °C	

Solder Temperature 1/16 Inch Below Seating Plane for 3 seconds at 260°C

* Condition for I_{fp} is pulse of 1/10 Duty Cycle, 0.1ms Pulse Width

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V _f	I _f =20mA	1.7		2.3	V
Reverse Current	I _r	V _r =5V			10	uA
Luminous Intensity	I _v	I _f =20mA	50			mcd
Spectrum Width of Half Value	Δλ	I _f =20mA		20		nm
Wavelength	λ _p	I _f =20mA		655		nm
	λ _d	I _f =20mA	635		650	nm
Viewing Angle	2θ _{1/2}			30		0°

NOTES: 1. All dimensions are in millimeter (inches), tolerance is 0.25 unless otherwise noted.
2. Specifications are subject to change without notice.