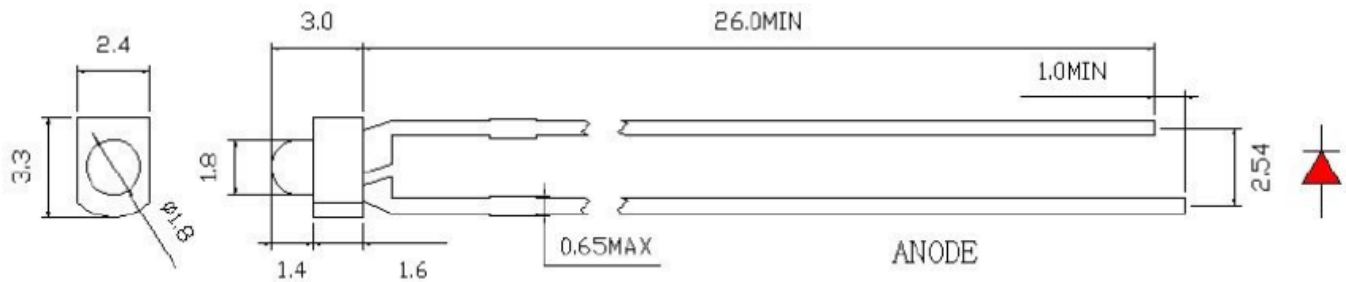


Package Dimensions:

Selection Guide

Part No.	Dice Raw Material	Emitted Color	Lens Color	Iv (mcd) (IF=20mA)			Viewing Angle 2 θ 1/2
				Min.	Typ.	Max.	
SE-LED1.81550-R5	AlGaInP	Red	Waterclear	100	150	-	50°

Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	65	mW
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	IFP	90	mA
Continuous Forward Current	IFmax	30	mA
Reverse Voltage	VR	5	V
Capacitance	C	20	pF
Operating/Storage Temperature Range	Topr / Tstg	-40°C to +85°C	
Lead Solder Temperature	Tsol	260°C for 3 Seconds	

Electrical / Optical Characteristics (Ta=25°C)

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Peak Wavelength	λ_p	-	645	-	nm	IF=20mA
Dominant Wavelength	λ_d	617	627	-	nm	IF=20mA
Forward Voltage	VF	1.70	2.00	2.50	V	IF=20mA
Reverse Current	IR	-	-	10	μ A	VR=5V

Notes:

- All dimensions are in millimeter;
- Tolerance is ± 0.25 mm, unless other specified;
- Luminous intensity tolerance is $\pm 10\%$;
- Dominant Emission Wavelength tolerance is $\pm 5\%$;
- Specifications are subject to change without notice