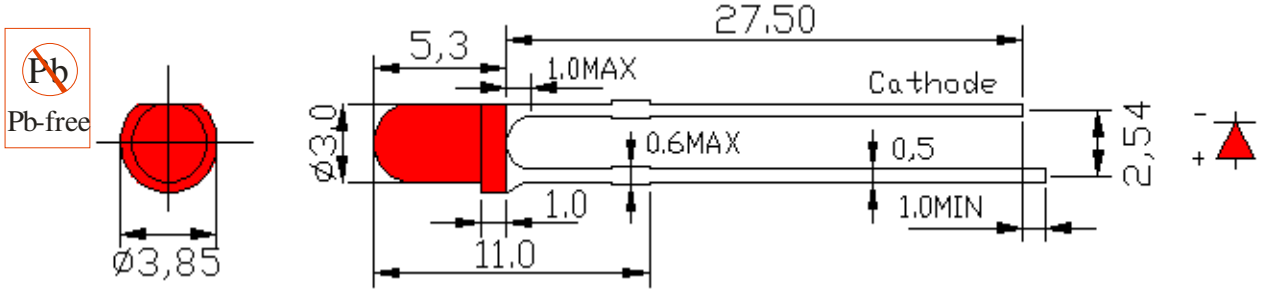
SLR-030410-416

3 mm Round Type LEDs Series

BULK & PACKING DIMENSIONS



Selection Guide

Part No.	Dice		Lens Color	Iv(mcd)(IF=20mA)			Viewing Angle (2θ½)
	Raw Material	Emitted Color		MIN	TYP	MAX	
SLR-030410-416	AlGaInP	Ultra Red	Red Diffused	50	70	100	60º

Absolute Maximum Ratings(Ta=25Cº)

Item	Symbol	Maximum	Unit
Power Dissipation	P_D	72	mW
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I_{FP}	100	mA
Continuous Forward Current	I_{Fmax}	30	mA
Reverse Voltage	V_R	5	V
Capacitance	C	95	pF
Operating / Storage Temperature Range	Topr / Tstg	-40ºC to +85ºC	
Lead Solder Temperature	Tsol	260ºC for 3 seconds	

Electrical / Optical Characteristics(Ta=25Cº)

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Peak Wavelength	λp	-	630	-	nm	I_F=20mA
Dominant Wavelength	λd	628	629	633	nm	I_F=20mA
Spectral Line Coordinates	Δλ	-	25	-		I_F=20mA
Forward Voltage	V_F	1.93	2.00	2.13	V	I_F=20mA
Reverse Current	I_R	-	-	10	uA	V_R=5V

NOTES:

1. All dimensions are in millimeter(inch);
2. Tolerance is ±0.25mm(0.01″) especially other specified; Luminous intensity tolerance is ±10%;
3. Dominant Emission Wavelength tolerance is ±5%; Specifications are subject to change without notice.