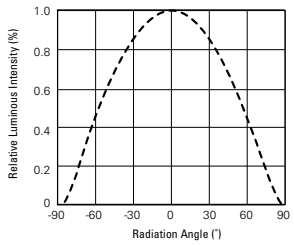
7070 Series

Red
No Lens

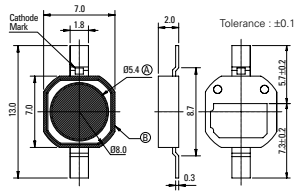
High Power LED
Sunnix5™

SLHNNRA521N0

Radiation Diagram(115°)

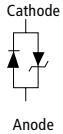


Package Outline

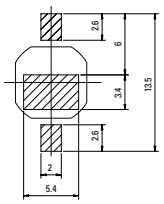


Unit:mm, Tⱼ=25°C

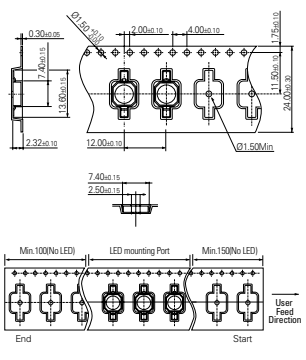
Polarity



Recommended Soldering Pattern



Carrier Tape



Absolute Maximum Ratings

Tⱼ=25°C

Item	I_F (mA)	T_j (°C)	T_{stg} (°C)	T_{sld}	T_{opr}
Value	700	125	-40 ~ 110	260°C, 10sec	-40 ~ 85

* Pulse condition : 10% duty and 0.1ms width

Electrical Characteristics

Tⱼ=25°C

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F=350mA	1.9	2.1	3.0	V
Reverse Voltage	I_R	V_R=10V	-	-	5.0	

※ Tolerance : V_F ±0.1V

Chromaticity Coordinate

Tⱼ=25°C, @350mA

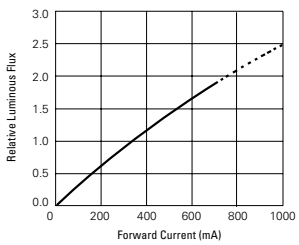
Rank		Symbol	Condition	Min.	Typ.	Max.	Unit
RO	R1	W_D	I_F=350mA	620	623	625	nm
	R2			625	627	630	

※ Tolerance : Wp ±0.1nm

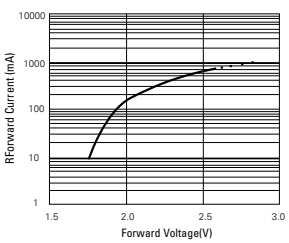
Part Number	Dimension (mm)	Rank	Luminous Flux (lm)			Condition	Viewing Angle 2θ 1/2(degree)
			Min.	Typ.	Max.		
SLHNNRA521N0	7.0 ×7.0 ×2.0t	E1	40	45	50	350mA	115 °
		F1	50	55	60		
		G1	60	65	70		

※ Tolerance ±10%

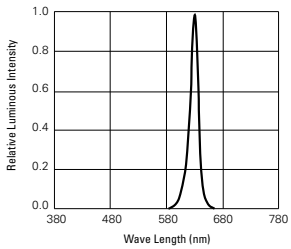
Relative Luminous Flux vs Forward Current



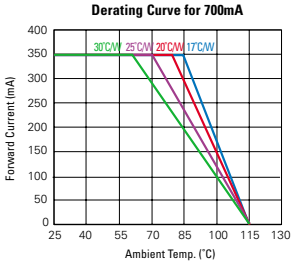
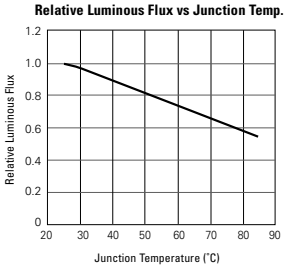
Forward Voltage vs Forward Current



Spectrum Distribution



Derating Curve for 700mA



Relative Luminous Flux vs Junction Temp.