

SLTNNR25024N



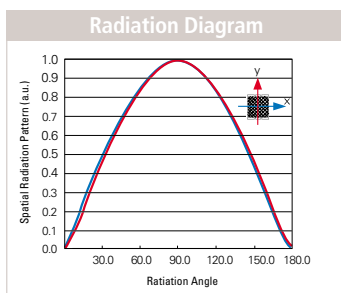
Top View LED (Red Color)

Dimension(mm) : 5.2 X 6.0 X 1.3T

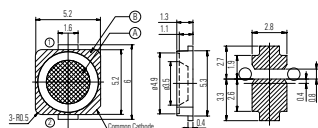
AlGaInP/AlN Chip

Long Time Reliability

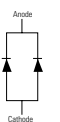
Indoor & Outdoor Display



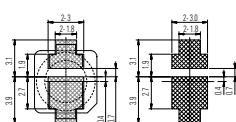
Package Outline



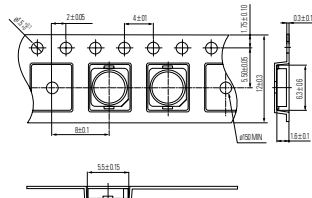
1. Tolerance is $\pm 0.1\text{mm}$
2. Do not place pressure on the encapsulating resin ("A")
3. The maximum compressing force is 15N on the polymer ("B")



Recommended Soldering Pattern



Carrier Tape



Absolute Maximum Ratings

Absolute Maximum Ratings				
Item	I _F (mA)	*I _{FP} (mA)	T _{Stg} (°C)	T _{Op} (°C)
Value	30	100	-40 ~ 100	-30 ~ 85

* Pulse condition : 10% Duty and 10ms width

Electrical Characteristics

Electrical Characteristics							T _A =25°C
Item	Symbol	Condition	Rank	Min.	Typ.	Max.	Unit
Forward Voltage*	V _F	I _F =40mA	S	1.7	-	2.6	V
Reverse Current	I _R	I _R =5V	-	-	-	50	μA

* Tolerance : $V_F: \pm 0.1$

Luminous Intensity

Luminous Intensity							T _a =25°C
Item	Symbol	Condition	Rank	Min.	Typ.	Max.	Unit
Luminous Intensity*	I _v	I _f =40mA	S	600	1100	1800	mcd

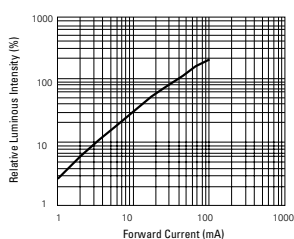
* Luminous intensity measuring equipment : CAS140B

* Tolerance : $\pm 10\%$

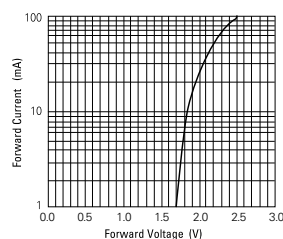
Item	Symbol	Condition	Rank	Min.	Typ.	Max.	Unit
Dominant Wavelength*	λ_D	If=40mA	S	619	-	627	nm

* Tolerance : λ_D : $\pm 2\text{nm}$

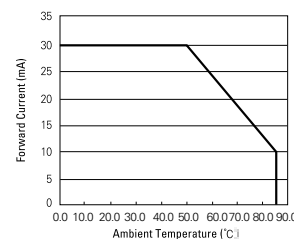
Relative Luminous Intensity vs. Forward Current



Forward Current vs. Forward Voltage



Forward Current Derating Curve



Spectrum Distribution

