

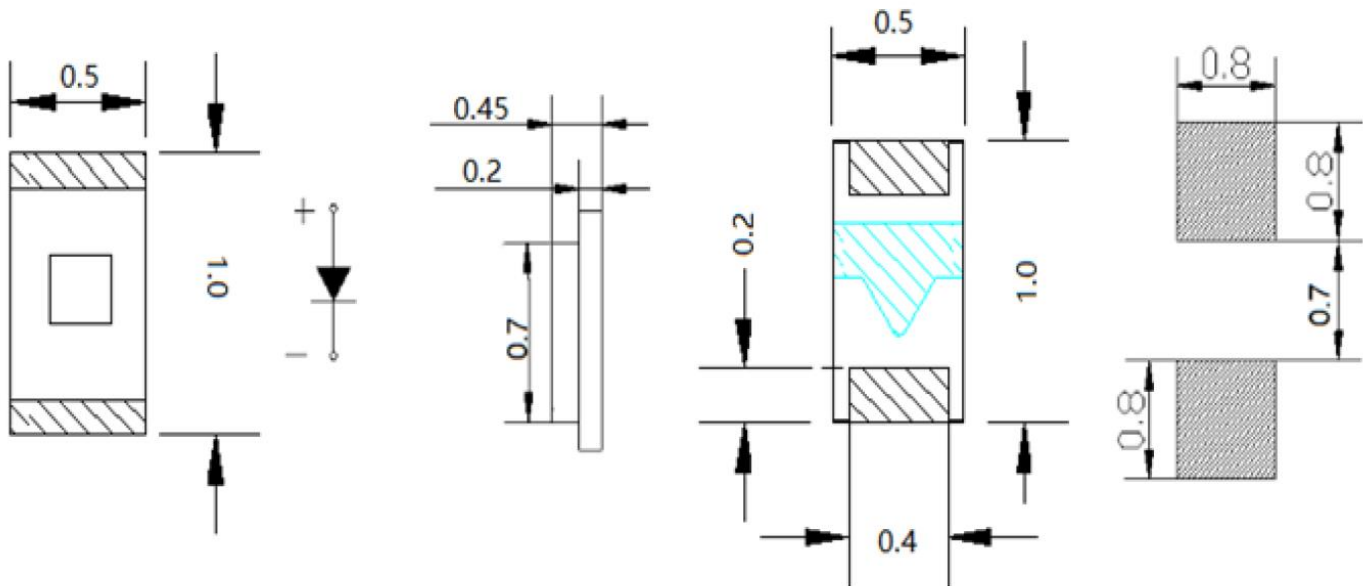
Model:	SK-0402RGNB-01
Date:	14-APR-2020
Department:	RD
Edition:	B/3



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Package Dimensions:



Notes:

1. All dimensions are in millimeters.
2. All dimensions have a tolerance of $\pm 0.25\text{mm}$ (unless otherwise noted).

Absolute Maximum Ratings (at 25°C):

Parameter	Maximum Rating	Units
Power Dissipation	70	mW
Pulse Forward Current	30	mA
Forward Current	20	mA
Reverse Voltage	5	V

Optical Parameters (at 25°C)

Parameter	Symbol	Rating			Units	Testing Conditions
		Min	Typ.	Max		
Luminous Flux	Φ	-	-	-	lm	-
Luminous Intensity	Iv	200	-	400	mcd	If = 20mA
Viewing Angle	-	-	120	-	°	If = 20mA
Chromaticity Coordinates	X	-	-	-	-	-
	Y	-	-	-	-	-
Wavelength	λ	500	-	515	nm	If = 20mA
Color Rendering Index	CRI	-	-	-	-	-
Forward Voltage	Vf	2.6	2.7	3.0	V	If = 20mA
Reverse Current	Ir	-	-	10	uA	Vr = 5V

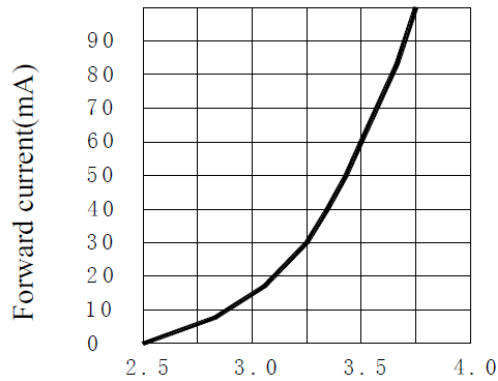
Notes:

1. Light-emitting brightness is according to human eye simulations of the induction curve of luminous intensity in line with the CIR (International Light Committee Organization).
2. Brightness tolerance is guaranteed within +/- 10%.

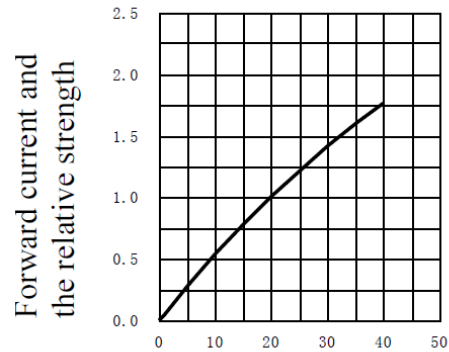
Typical Electrical and Perspective Curves:

Unless otherwise specified, the ambient temperature is 25°C.

Current and voltage



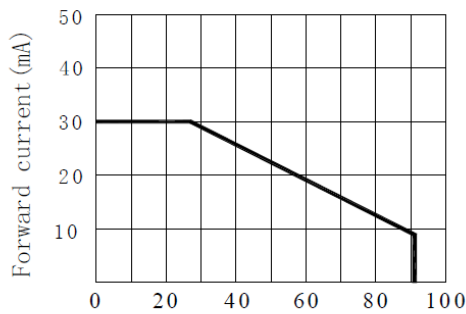
Forward current and the relative strength



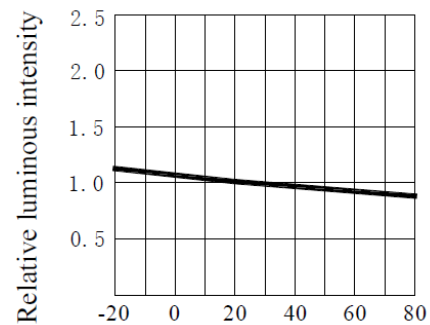
Forward voltage (V)

Forward current (mA)

Ambient temperature and forward current

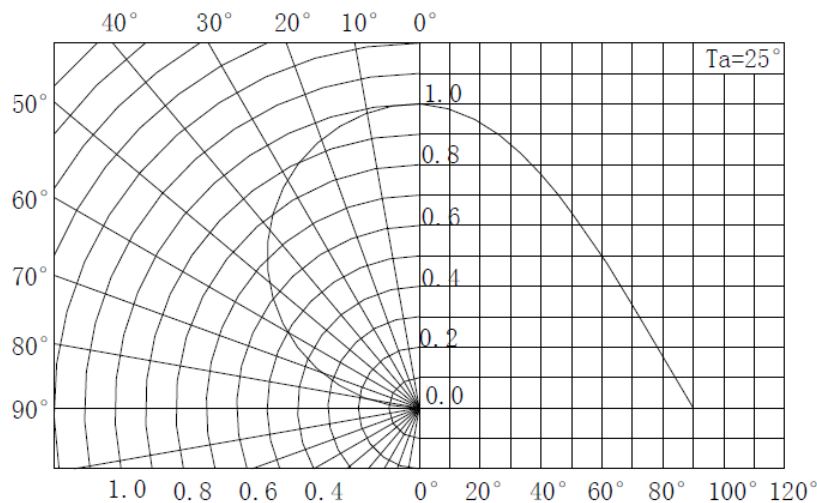


Ambient temperature and relative strength



Ambient temperature (°C)

Ambient temperature (°C)



Emitting Angle 120° Space distribution