## Surface Lighting

### $\Box$ 9.0 mm imes 7.0 mm Series

Conventional Part No.	Global Prat No.	Lighting Color
LN0204RP2	···· LNV202104A ···	······ Red
LN0204GP3	···· LNV302104A ···	······ Green
LN0204YP4	···· LNV402104A ···	······ Amber
LN0204RP8	···· LNV802104A ···	······ Orange

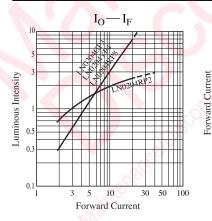
#### Absolute Maximum Ratings ( $T_a = 25^{\circ}C$ )

Lighting Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	l <sub>FP</sub> (mA)*	$V_{R}(V)$	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°℃)
Red	60	20	100	4	-25 ~ +80	-30~+85
Green	60	20	100	4	-25 ~ +80	-30 ~ +85
Amber	60	20	100	4	-25 ~ +80	-30 ~ <del>+8</del> 5
Orange	60	20	100	3	-2 <b>5</b> ~ +80	$-30 \sim +85$

Pulse width 1 msec. The condition of IFP is duty 10%, Pulse width 1 msec

#### Electro–Optical Characteristics ( $T_a = 25^{\circ}C$ )

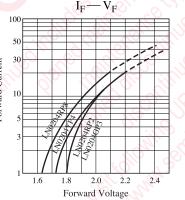
Conventional	Lighting	Lens Color	l.	0		V	F	λρ	Δλ		l	R
Part No.	Color		Тур	Min	I <sub>F</sub>	Тур	Max	Тур	Тур	l I <sub>F</sub>	Max	V <sub>R</sub>
LN0204RP2	Red	Red Diffused	2.0	0.9	10	2.2	2.8	700	100	20	10	4
LN0204GP3	Green	Green Diffused	3.0	1.7	10	2.2	2.8	565	30	20	10	4
LN0204YP4	Amber	Amber Diffused	3.0	1.8	10	2.2	2.8	590	30	20	10	4
LN0204RP8	Orange	Red Diffused	3.0	1.7	10	2.1	2.8	630	40	20	10	3
Unit			mcd	mcd	mA	V	Vo,	nm	nm	mA	μA	V



600

Wavelength

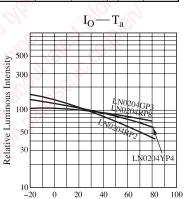
700



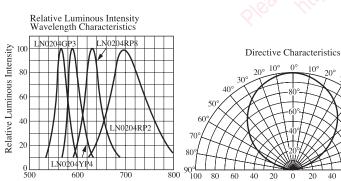
30'

60 80 100

40



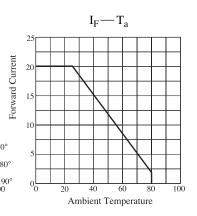




800

80

60 40



0.7 0.5  $7.0 \pm 0.25$  $8.0 \pm 0.3$ 9.0±0.25 7 Max. NOT SOLDERED  $10.0 \pm 0.3$ 0.3 + 3.5 Min. 2.54  $54 \times 3.0 = 7.62$ 1: Anode 2: Cathode

Unit: mm

Relative Luminous Intensity

20 0 20

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