SHARP

GL3JE402B0SE
GL3JG402B0SE

Under development	
New product	●

High-Luminosity LED Lamp

ø3 mm High-Luminosity LED Lamp (AlGaInP)

Viewing angle : 40 ˚

■ Features

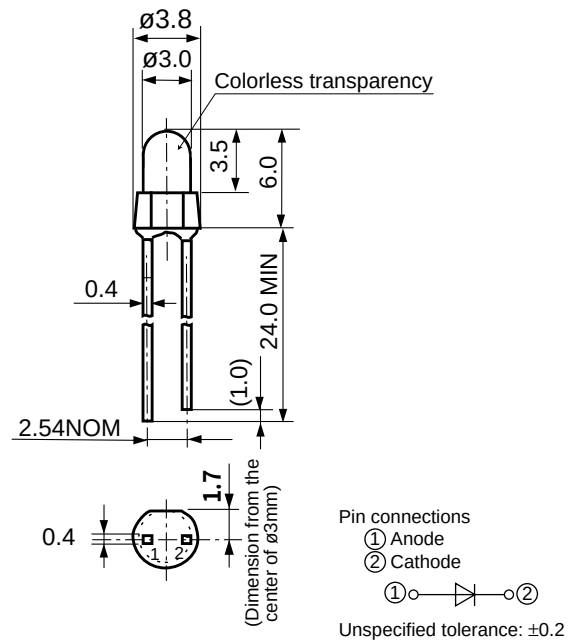
(1) ø3 mm high-luminosity LED lamp
(2) Emitting color : Yellow-green / Green
(3) Wide viewing angle (2θ 1/2) : 40 ˚

■ Applications

(1) Home electric appliances
(2) Amusement equipment

■ Outline Dimensions

(Unit : mm)



■ Absolute Maximum Ratings

(Ta=25 ˚C)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current I_F (mA)	Peak forward current I_{FM}*1 (mA)	Derating factor (mA/˚C) DC	Derating factor (mA/˚C) Pulse	Reverse voltage V_R (V)	Operating temperature T_{opr} (˚C)	Storage temperature T_{stg} (˚C)	Soldering temperature T_{sol}*2 (˚C)
GL3JE402B0SE	Yellow-green	AlGaInP	78	30	50	0.40	0.67	5	-40 to +85	-40 to +100	260
GL3JG402B0SE	Green	AlGaInP	78	30	50	0.40	0.67	5	-40 to +85	-40 to +100	260

*1 Duty ratio=1/10, Pulse width=0.1ms
*2 5 s or less (At the position of 1.6mm or more from the bottom face of resin package)

■ Electro-optical Characteristics

(I_F=20 mA,Ta=25 ˚C)

Lens type	Model No.	Forward voltage V_F (V) TYP	Forward voltage V_F (V) MAX	Peak emission wavelength λ_p (nm) TYP	Dominant wavelength λ_d(nm) TYP	Luminous intensity I_V(mcd) TYP	Spectrum radiation bandwidth $\Delta\lambda$(nm) TYP	Reverse current I_R(μA) MAX	Reverse current V_R (V)
Colorless transparency	GL3JE402B0SE	2.0	2.6	575	572	200	15	10	4
	GL3JG402B0SE	2.0	2.6	564	562	85	15	10	4

(Notice)
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(Internet)
•Data for Sharp's optoelectronic is provided on internet. (Address http://sharp-world.com/ecg/)

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