

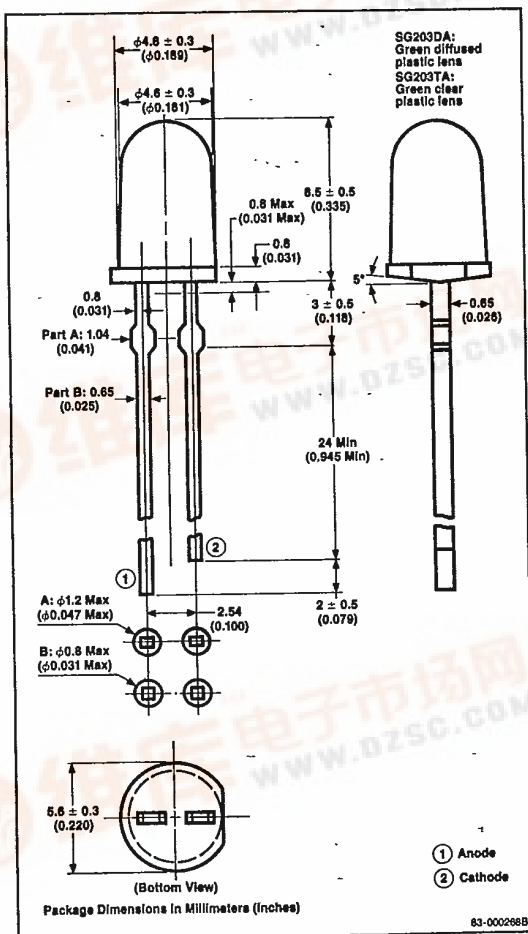
NEC

NEC Electronics Inc.

72C 09163 D T-41-21

SG203DA/TA
GREEN
GaP HIGH
INTENSITY LEDs
NEPOC SERIES
Description

The SG203DA and SG203TA are full resin-molded LED lamps and emit bright and vivid green light. They are especially suitable for electronic equipment in audio applications which require high-brightness displays.

Package Dimensions**Features**

- ☐ High intensity
- ☐ Wide angle
- ☐ Long lead
- ☐ Low cost
- ☐ Compatible with integrated circuits

Applications

- ☐ Visual displays
- ☐ Guard systems
- ☐ Mobile equipment indicators
- ☐ Stereo equipment indicators
- ☐ Transceiver indicators

Absolute Maximum Ratings $T_A = +25^\circ\text{C}$

Power Dissipation, P_D	100mW
Forward Current, I_F	40mA
Reverse Voltage, V_R	5V
Junction Temperature, T_J	100°C
Storage Temperature, T_{STG}	-40°C to +100°C

Electro-Optical Characteristics $T_A = +25^\circ\text{C}$

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage	V_F		2.2	2.5	V	$I_F = 10\text{mA}$
Reverse Current	I_R		0.01	10	μA	$V_R = 4.5$
Capacitance	C_T		60		pF	$V = 0$, $f = 1.0\text{MHz}$
Peak Emission Wavelength	λ_{PEAK}		565		nm	$I_F = 10\text{mA}$
Spectral Line Half Width	$\Delta\lambda$		40		nm	$I_F = 10\text{mA}$
Luminous Intensity (SG203DA)	I_V	2	8		mcd	$I_F = 10\text{mA}$
Luminous Intensity (SG203TA)	I_V	5	13		mcd	$I_F = 10\text{mA}$

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Typical Characteristics

 $T_A = +25^\circ\text{C}$ 