

NEC

NEC Electronics Inc.

72C 09163 D T-41-21

SG203DA/TA
GREEN
GaP HIGH
INTENSITY LEDs
 NEPOC SERIES

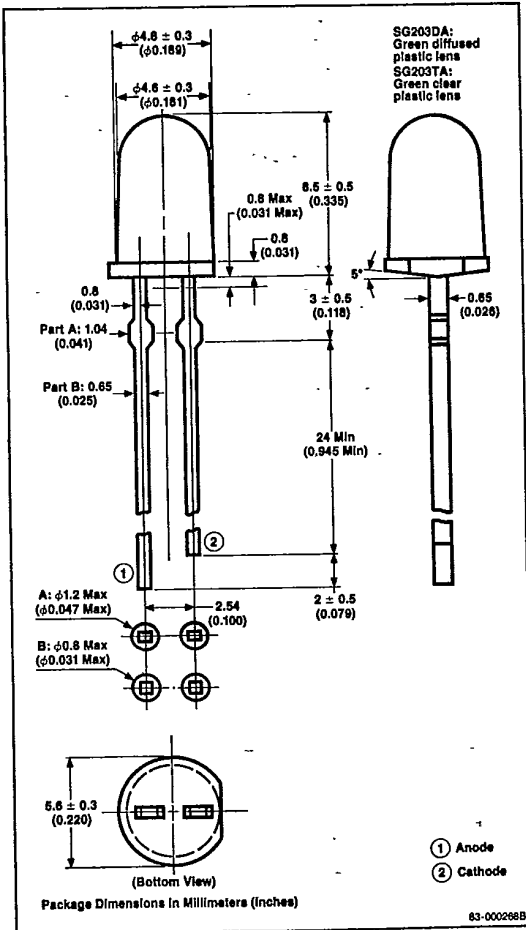
Description

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.

Features

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

Package Dimensions



Applications

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

Absolute Maximum Ratings

T_A = +25°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°C

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage	V _F		2.2	2.5	V	I _F = 10mA
Reverse Current	I _R		0.01	10	μA	V _R = 4.5
Capacitance	C _T		60		pF	V = 0, f = 1.0MHz
Peak Emission Wavelength	λ _{PEAK}		565		nm	I _F = 10mA
Spectral Line Half Width	Δλ		40		nm	I _F = 10mA
Luminous Intensity (SG203DA)	I _V	2	8		mcd	I _F = 10mA
Luminous Intensity (SG203TA)	I _V	5	13		mcd	I _F = 10mA

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SG203DA/TA

Typical Characteristics

T_A = +25°C

