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NTE3030 Light Emitting Diode (LED) Diffused Red, Blinking

Description:

The NTE3030 is a flashing red Light Emitting Diode (LED) with Integral IC in a T-1 3/4 5mm plastic type package. Typical applications include warning lights and status indicators.

Features:

- CMOS technology
- Operating voltage range: 3V-10V DC
- 1/4 duty cycle
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- Blink Frequency: 2.4Hz (VDD=5V)

Absolute Maximum Ratings: ($T_A = +25^{\circ}\text{C}$ unless otherwise specified)

Power Dissipation, P_D	100mW
Forward Voltage, V_F	14V
Reverse Voltage, V_R	5V
Operating Temperature Range, T_{opr}	-40° to $+70^{\circ}\text{C}$
Storage Temperature Range, T_{stg}	-40° to $+85^{\circ}\text{C}$
Lead temperature (During Soldering, 5 sec), T_{sol}	260°C

Electrical Characteristics: ($T_A = +25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Luminous Intensity	I_V		50	60	-	mcd
Viewing Angle	$2\theta_{1/2}$		-	20	-	deg
Peak Emission Wavelength	λ_P		-	655	-	nm
Dominant Wavelength	λ_d		-	650	-	nm
Spectral Line Half-Width	$\Delta\lambda$		-	15	-	nm
Opening Voltage	V_{dd}		3	5	10	V
Output sink Current	I_{sink}		-	45		mA
Output source Current	I_{source}		-	25		mA
Blink Frequency	Fblk		2	2.4	2.8	Hz

