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## NTE3030 Light Emitting Diode (LED) Diffused Red, Blinking 5mm

**Description:**

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

**Features:**

- Blink Frequency: 2.4Hz
- Operating Voltage Range: 3V-10V DC

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

Power Dissipation, $P_D$ .....	100mW
Peak Forward Voltage, $V_F$ .....	14V
Continuous Forward Current, $I_F$ .....	45mA
Reverse Voltage, $V_R$ .....	5V
Operating Temperature Range, $T_{opr}$ .....	$-40^\circ$ to $+80^\circ\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-40^\circ$ to $+100^\circ\text{C}$
Lead Temperature (During Soldering, 5 sec), $T_L$ .....	$+260^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F = 25\text{mA}$	3.0	6.5	10.0	V
Luminous Intensity	$I_V$	$I_F = 25\text{mA}$	50	-	100	mcd
Peak Wavelength	$\lambda_p$	$I_F = 25\text{mA}$	650	655	660	nm
Blink Frequency	Fblk	$I_F = 25\text{mA}$	-	2.4	-	Hz
Viewing Angle	$2\theta_{1/2}$		-	20	-	deg
Reverse Current	$I_R$	$V_R = 5\text{V}$	-	-	10	$\mu\text{A}$

