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NTE3030 & NTE3030-1 Light Emitting Diode (LED) Red, Blinking 5mm (T-1 3/4) Type Package

Description:

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

Features:

- Available in Two Different Lens Types:
 Red, Diffused Lens (NTE3030)
 Clear, Diffused Lens (NTE3030-1)
- Blink Frequency:
 2.0Hz (NTE3030)
 2.4Hz (NTE3030-1)
- 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	
NTE3030	12V
NTE3030-1	14V
Continuous Forward Current, I_F	
NTE3030	30mA
NTE3030-1	45mA
Peak Forward Current (NTE3030 Only), I_{FP}	100mA
Reverse Voltage, V_R	5V
Operating Temperature Range, T_{opr}	-40° to $+80^\circ\text{C}$
Storage Temperature Range, T_{stg}	-40° 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 NTE3030	V_F	$I_F = 20\text{mA}$	3.0	11.0	12.0	V
NTE3030-1			3.0	6.5	10.0	V
Luminous Intensity	I_V	$I_F = 20\text{mA}$	50	-	100	mcd
Peak Wavelength	λ_p	$I_F = 20\text{mA}$	650	655	660	nm
Blink Frequency NTE3030	Fblk	$I_F = 20\text{mA}$	-	2.0	-	Hz
NTE3030-1			-	2.4	-	Hz

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Viewing Angle NTE3030	$2\theta_{1/2}$		-	60	-	deg
NTE3030-1			-	20	-	deg
Reverse Current	I_R	$V_R = 5V$	-	-	10	μA

