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## NTE3130 Light Emitting Diode Blinking Yellow, Diffused 5mm (T-1 3/4) Package Type

**Features:**

- Tinted, Diffused Lens
- Built-in Blinking IC
- Operation Voltage from 3V to 12V
- Flash Frequency from 2.6Hz to 1.4Hz
- RoHS Compliant

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

Power Dissipation	300mW
Peak Forward Current, $I_{F(\text{peak})}$	100mA
Continuous Forward Current, $I_F$	30mA
Derate Linear from $+30^\circ\text{C}$	0.8mA/ $^\circ\text{C}$
Reverse Voltage	5V
Operating Temperature Range, $T_{\text{opr}}$	$-40^\circ$ to $+80^\circ\text{C}$
Storage Temperature Range, $T_{\text{stg}}$	$-40^\circ$ to $+100^\circ\text{C}$
Lead Temperature (During Soldering, 5sec max, 1.6mm from body), $T_L$	$+260^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F = 20\text{mA}$	3	11	12	V
Luminous Intensity	$I_V$	$I_F = 20\text{mA}$	50	-	100	mcd
Peak Wavelength	$\lambda_{\text{peak}}$	$I_F = 20\text{mA}$	590	-	595	nm
Beam Angle	$2\theta_{1/2}$	(Note 1)	-	60	-	Degree
Reverse Current	$I_R$	$V_F = 5\text{V}$	-	-	10	$\mu\text{A}$

Note 1.  $I_{FP}$  Conditions – Pulse Width  $\leq 100\mu\text{s}$ , Duty Cycle  $\leq 1\%$ .

**Direct Current Characteristics:**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Operating Voltage	$V_{DD}$		3	11	12	V
Driver Current	$I_{OI}$	$V_{DS} = 1.2\text{V}$	-	15	-	mA
Power Consumption	$P_O$	$V_{DD} = 12\text{V}$	-	300	-	mW
Flash Frequency	$F_{\text{tet}}$	External $\pm 30\%$	-	2.0	-	Hz

Rev. 01-23



