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## NTE3130 Light Emitting Diode – 5mm Blinking Yellow, Diffused

**Features:**

- Yellow Diffused, (AlGaP/GaAs)
- T-1 3/4 Package
- Built-in Blinking IC
- Operation Voltage from 3V to 14V
- Blinking Frequency from 3.0Hz to 1.5Hz
- RoHS Compliant

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

Power Dissipation .....	310Mw
Forward Voltage .....	14V
Reverse Voltage .....	05V
Operating Temperature Range, $T_{opr}$ .....	$-40^{\circ}$ to $+70^{\circ}\text{C}$
Storage Temperature Range, $T_{stg}$ .....	$-40^{\circ}$ to $+85^{\circ}\text{C}$
Lead Temperature (During Soldering, 3sec max, 2mm below package base) .....	$+260^{\circ}\text{C}$
Lead Temperature (During Soldering, 5sec max, 5mm below package base) .....	$+260^{\circ}\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Viewing Angle of Half Power	$2\theta_{1/2}$	(Note 1)	-	60	-	Degree
Luminous Intensity	$I_V$	$V = 9V$	5	20	-	mcd
Peak Wavelength	$\lambda_{peak}$		-	590	-	nm
Dominant Wavelength	$\lambda_D$		-	588	-	nm
Spectral Line Half-Width	$\lambda_{\Delta 1/2}$		-	35	-	nm
Forward Current	$I_F$	$V_F = 3.5V$	8	-	-	mA
		$V_F = 5V$	-	22	-	mA
Supply Current	$I_{SON}$	$V_F = 3.5V$	-	8	-	mA
		$V_F = 14V$	-	44	-	mA
Blink Frequency	$f$	$V_F = 3.5V$ to $14V$	1.5	-	3	Hz

Note 1.  $\theta_{1/2}$  is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

