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## NTE3132 Light Emitting Diode Water Clear, High Efficiency Super Yellow-Green

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

Power Dissipation, $P_D$ .....	84mW
Forward Current, $I_F$	
Continuous .....	25mA
Peak (0.1 ms pulse width, 1/10 duty cycle) .....	50mA
Reverse Voltage, $V_R$ .....	5V
LED Junction Temperature, $T_J$ .....	+100°C
Operating Temperature Range, $T_{opr}$ .....	-30° to +85°C
Storage Temperature Range, $T_{stg}$ .....	-40° to +100°C
Lead Temperature (During Soldering, 3sec max, 2mm below package base), $T_L$ .....	+240°C

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
View Angle of Half Power	$2\theta_{1/2}$	$I_F = 20\text{mA}$	-	24	-	degree
Forward Voltage	$V_F$	$I_F = 20\text{mA}$	-	2.15	2.80	V
Reverse Current	$I_R$	$V_R = 5\text{V}$	-	-	10	$\mu\text{A}$
Luminous Intensity	$I_V$	$I_F = 20\text{mA}$ , Note 1	200	500	-	mcd
Peak Emission Wavelength	$\lambda_p$	$I_F = 20\text{mA}$ , Note 2	-	570	-	nm
Dominate Wave Length	$\lambda_d(\text{HUE})$	$I_F = 20\text{mA}$	-	567	-	nm
Spectrum Width of Half Valve	$\Delta\lambda$	$I_F = 20\text{mA}$	-	30	-	nm

Note 1. Tolerance: 30%, measured using Exeltron 2001.

Note 2. The dominate wavelength,  $\lambda_d$ , is derived from the CIE Chromaticity Diagram and represents the color of the device.

