



ELECTRONICS, INC.
 44 FARRAND STREET
 BLOOMFIELD, NJ 07003
 (973) 748-5089
<http://www.nteinc.com>

NTE3160, NTE3161, NTE3162 Light Emitting Diode – 1mm x 5mm

Features:

- Lead Frame Type ^{w/}Diffused Lens:
 NTE3160 (Red, GaP/GaP)
 NTE3161 (Green, GaP/GaP)
 NTE3162 (Yellow, GaAsP/GaP)

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

Power Dissipation, P_D 70mW
 Continuous Forward Current, I_F 25mA
 Reverse Voltage, V_R 3V
 Operating Temperature Range, T_{opr} -25° to $+80^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
View Angle of Half Power	$2\theta_{1/2}$		–	50	–	Degree
Peak Wave Length NTE3160	λ_{peak}		–	700	–	nm
NTE3161			–	565	–	nm
NTE3162			–	585	–	nm
Forward Voltage	V_F		–	2.1	–	V
NTE3160 Only			–	1.9	–	V
Forward Current	I_F		–	20	–	mA
NTE3160 Only			–	5	–	mA
Luminous Intensity NTE3160	L		–	0.4	–	mcd
NTE3161			–	0.7	–	mcd
NTE3162			–	2.0	–	mcd
Reverse Current	I_R	$V_R = 3V$	–	–	10	μA

