



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	λ_{peak}		-	627	-	nm
NTE3160			-	565	-	nm
NTE3161			-	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	L		-	0.4	-	mcd
NTE3160			-	0.7	-	mcd
NTE3161			-	2.0	-	mcd
Reverse Current	I_R	$V_R = 3V$	-	-	10	μA

