



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

NTE3163, NTE3164, NTE3165 Light Emitting Diode – 1.2mm x 5.9mm

Features:

- Lead Frame Type w/Diffused Lens:
 - NTE3163 (Red, GaP/GaP)
 - NTE3164 (Green, GaP/GaP)
 - NTE3165 (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 NTE3163	λ_{peak}		–	700	–	nm
NTE3164			–	565	–	nm
NTE3165			–	585	–	nm
Forward Voltage	V_F		–	2.1	–	V
NTE3163 Only			–	1.9	–	V
Forward Current	I_F		–	20	–	mA
NTE3163 Only			–	5	–	mA
Luminous Intensity NTE3163	L		–	0.4	–	mcd
NTE3164			–	0.7	–	mcd
NTE3165			–	1.0	–	mcd
Reverse Current	I_R	$V_R = 3V$	–	–	10	μA

