



ELECTRONICS, INC.  
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## NTE3160, NTE3161, NTE3162 Light Emitting Diode – 1mm x 5mm

**Features:**

- Lead Frame Type <sup>w</sup>/Diffused Lens:
  - NTE3160 (Red, GaP/GaP)
  - NTE3161 (Green, GaP/GaP)
  - NTE3162 (Yellow, GaAsP/GaP)

**Absolute Maximum Ratings:** (T<sub>A</sub> = +25°C unless otherwise specified)

Power Dissipation, P <sub>D</sub> .....	70mW
Continuous Forward Current, I <sub>F</sub> .....	25mA
Reverse Voltage, V <sub>R</sub> .....	3V
Operating Temperature Range, T <sub>opr</sub> .....	-25° to +80°C

**Electrical Characteristics:** (T<sub>A</sub> = +25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
View Angle of Half Power	2θ <sub>1/2</sub>		-	50	-	Degree
Peak Wave Length NTE3160	λ <sub>peak</sub>		-	700	-	nm
NTE3161			-	565	-	nm
NTE3162			-	585	-	nm
Forward Voltage	V <sub>F</sub>		-	2.1	-	V
NTE3160 <b>Only</b>			-	1.9	-	V
Forward Current	I <sub>F</sub>		-	20	-	mA
NTE3160 <b>Only</b>			-	5	-	mA
Luminous Intensity NTE3160	L		-	0.4	-	mcd
NTE3161			-	0.7	-	mcd
NTE3162			-	2.0	-	mcd
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 3V	-	-	10	μA

