

NTE3016 GaP Light-Emitting Diode (LED)

Description:

The NTE3016 is a 2 color panel circuit indicator which features low drive power, high intensity visible RED or GREEN light emission. A milk white diffused lens provides an excellent ON-OFF contrast ratio, while a fast response time permits pulse operation.

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

Forward Current (DC), I_F 25mA
Reverse Voltage, V_R 4.0Volts
Power Dissipation, P_D 75mW
Operating Temperature Range, T_{opr} -20° to $+75^\circ\text{C}$
Storage Temperature Range, T_{stg} -30° to $+100^\circ\text{C}$

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	—	2.1	2.6	V
Reverse Current	I_R	$V_R = 4\text{V}$	—	—	5	μA
Luminous Intensity Red	I_V	$I_F = 20\text{mA}$	0.5	0.75	—	mcd
Green			0.5	1.5	—	mcd
Peak Emission Wave Length Red	λ_P	$I_F = 20\text{mA}$	—	700	—	nm
Green			—	565	—	nm
Spectral Line half Width Red	$\Delta\lambda$	$I_F = 20\text{mA}$	—	100	—	nm
Green			—	25	—	nm

