

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 :	$(T_A = +25^{\circ}C \text{ unless otherwise spec})$	cified)

Forward Current (DC), I _F	25mA
Reverse Voltage, V _R	1.0Volts
Power Dissipation, P _D	75mW
Operating Temperature Range, T _{opr}	+75°C
Storage Temperature Range, T _{stg} –30° to	+100°C

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

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Forward Voltage	V _F	I _F = 20mA	_	2.1	2.6	V
Reverse Current	I _R	$V_R = 4V$	_	_	5	μΑ
Luminous Intensity Red	I _V	I _F = 20mA	0.5	0.75	_	mcd
Green			0.5	1.5	_	mcd
Peak Emission Wave Length Red	λ_{P}	I _F = 20mA	_	700	_	nm
Green			_	565	_	nm
Spectral Line half Width Red	Δλ	I _F = 20mA	_	100	_	nm
Green			_	25	_	nm

