

VAOL-5LDE2 T-1 3/4 (5mm) through-hole LED with high intensity light output

Green T-1 3/4 (5mm) LED Diffused Lens

Application

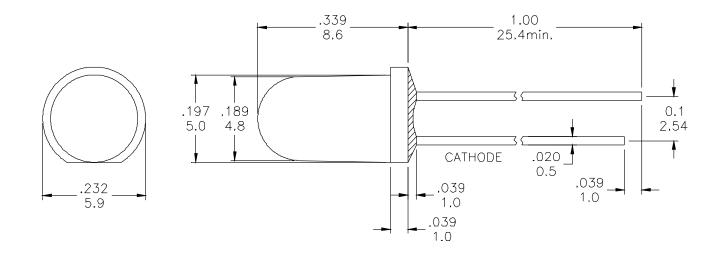
- Automotive
- Front Panel Indicator
- Residential and Landscape Lighting
- Railway
- Commercial Outdoor Sign Board
- Indoor and Outdoor Indicationg
- Electronic Devices
- Storage Servers
- Dot-Matrix Module

Key Features

- Color: Green
- LED Size 5mm T-1 3/4
- UL94 with V-0
- Through-hole technology
- Low Power Consumption
- InGaN/Sapphire material technology
- Diffused Lens
- Viewing Angle: 50°
- RoHS and REACH Compliant







- Notes:

 1. All dimensions are in inches [millimeters]

 2. Tolerance is ±0.01" [0.25mm] unless otherwise noted

 3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



Product Specifications

Absolute Maximum Ratings (Ta=25°C)

Symbol	Parameter	Max	Unit	
PD	Power Dissipation	100	mW	
VR	Reverse Voltage	5	V	
IAF	Average Forward Current	30	mA	
IPF	Peak Forward Current (Duty=0.1, 1kHz)	100	mA	
-	Derating Linear Form 25°C	0.4	mA∕°C	
Topr	Operating Temperature Range	-20 to +80	°C	
Tstg	Storage Temperature Range	-20 to +100	°C	
Lead Soldering Temperature [1.6mm(0.063inch)From Body] 260°C For 5 Seconds.				

Electrical / Optical Characteristics and Curves at Ta=25°C

Symbol	Parameter	Test Condition	Min	Тур	Max	Unit
VF	Forward Voltage	IF= 20 mA		2.2	2.8	V
IR	Reverse Current	VR=5 V			100	μΑ
Δθ	Half Intensity Angle	IF= 20 mA		60		Deg.
IV	Luminous Intensity	IF= 20 mA		50		mcd.
λd	Dominant Wavelength	IF= 20 mA		570		nm



Product Specifications

Electrical Characteristics at (Ta=25°C)

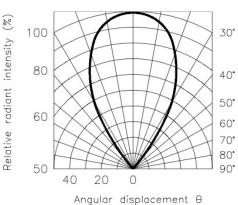
Symbol	lv		V _F		λD	
Parameter	Luminous Intensity		Forward Voltage		Dominant Wavelength	
Condition	IF=20mA		IF=20mA		IF=20mA	
Unit	mc	d	V		nm	
	Grade	Range	Grade	Range	Grade	Range
	-	50	С	1.9~2.0	G9	569~571
	-	-	D	2.0~2.1	G10	571~573
Binning	-	-	E	2.1~2.2	G11	573~575
			F	2.2~2.3		
			G	2.3~2.4		

Intensity: Tolerance of minimum and maximum = \pm 15% Vf: Tolerance of minimum and maximum = $\pm 0.05v$

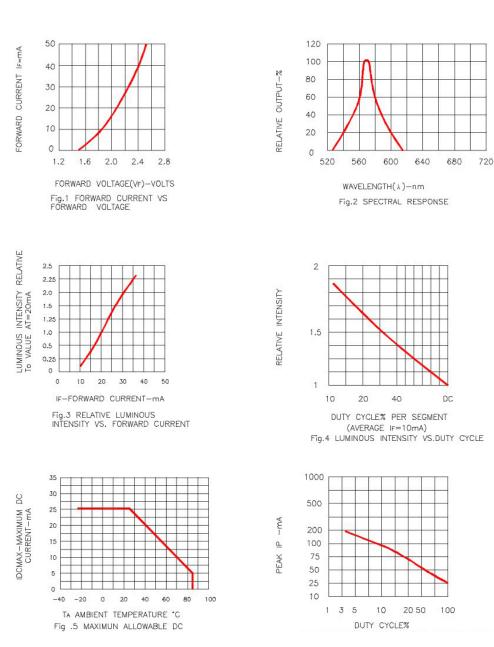
Notes: 1. Static electricity and surge damages the LED. It is recommend to use a anti-static wrist band or anti-electrostatic glove when handing the LEDs. All devices, equipment and machinery must be Properly grounded.
 Specific binning requirements – Contact VCC

Radiation Diagram





Typical Electro-optical Characteristics Curves (25°C Free Air Temperature Unless Otherwise Specified)



Green

Compliances and Approvals



