

Light Emitting Diodes

Thru-Hole LEDs

ADP Series

ADIVA
Technology, Inc.

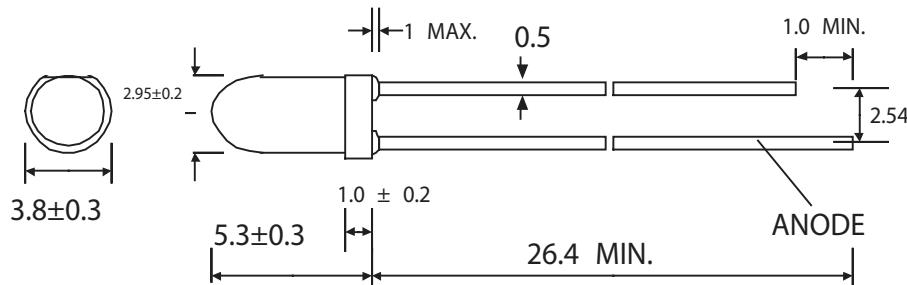
ADP4-31500-S4

YELLOW



INTRODUCTION

The Adiva Thru-Hole LED has a wide range of applications and is encapsulated in water clear epoxy resin with an 3mm diameter.



ABSOLUTE MAXIMUM RATINGS

Items	Symbols	Ratings	Unit
Operation Forward Current	I _f	30	mA
Reverse Current	I _r	100	uA
Operating Temperature Range	T _{op}	-25 ~ 80	C
Power Dissipation	P _D	100	mW
Peak Pulse Forward Current	P _{if}	100	mA
Storage Temp. Range	T _s	-30 ~ 100	C
Soldering Temperature	T _{sol}	* 260	C

ELECTRICAL-OPTICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V _f	IF=20mA	1.9	--	2.5	V
Dominant Wavelength	λ _D	IF=20mA	580	--	595	nm
Luminous Intensity	I _v	IF=20mA	8000	--	11000	mcd

SERIES STANDARD SPECIFICATIONS

Shape	Emitting Color	Part Number	Wavelength nm	Diffusion	IR(μA) IF RV=5V	Reverse Voltage RV	Emitting Material	Viewing Angle Q (deg.)
3Ø	Yellow	ADP4-31500-S4 or S5	580 - 595	W.C.	100 20	5V	GaAsP	15 - 30

Bin Ranking	S4				Unit
Luminous Intensity	8000 - 11000				mcd

Light Emitting Diodes

Thru-Hole

ADP Series

ADIVA
Technology, Inc.

ADP4-31500-S4 & S5

YELLOW

Typical Electrical/Optical Characteristics Curve:

(25 °C Ambient Temperature Unless Otherwise noted)

Fig1. Relative Intensity vs. Wavelength

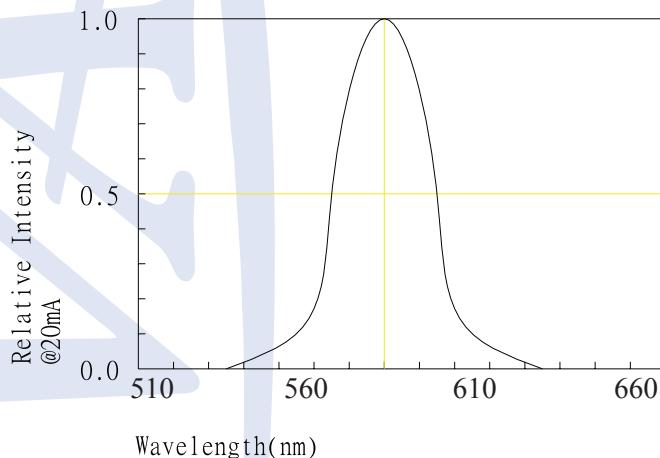


Fig3. Relative Intensity vs. Forward Current

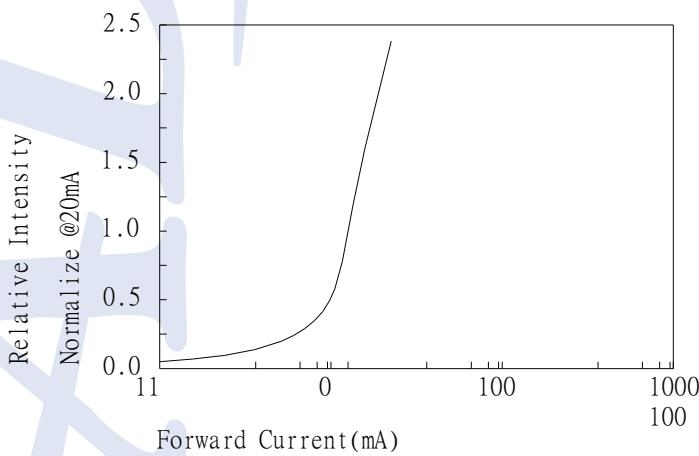


Fig2. Forward Current vs. Forward Voltage

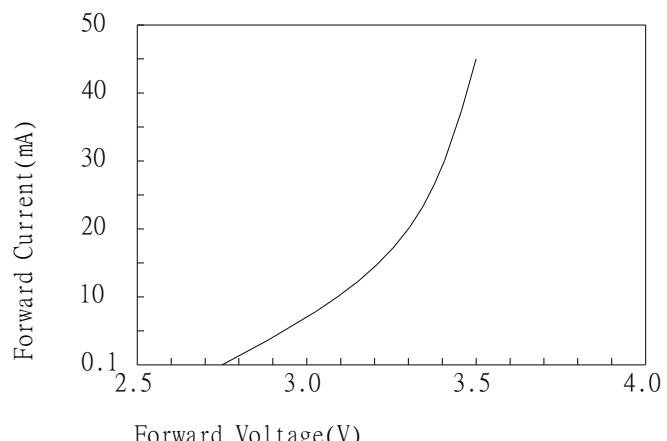


Fig4. Forward Voltage vs. Temperature

