

# Light Emitting Diodes

Surface Mount LEDs

ADLSV Series



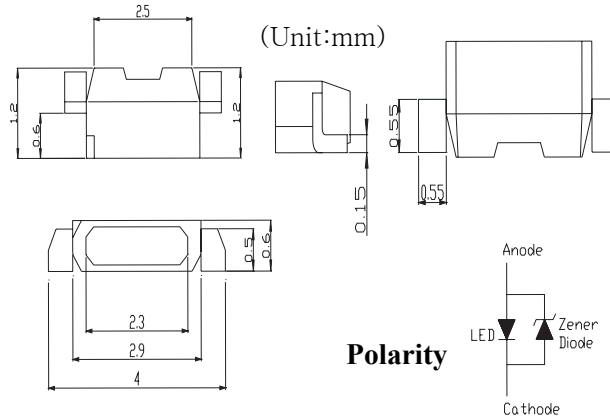
ADLSV0-4012-C100-L1

WHITE



## INTRODUCTION

The Adiva Surface Mount LED has a wide range of applications and a very small size enabling it to be used in a variety of advanced technological equipment such as cellular phones, PDAs, portable MP3 players and indicator lights. The sideview design makes it a good choice for indicator lights and symbol backlighting.



## FEATURES

- High Luminous intensity, with a longer operation life.
- Built-in 6 Zener Diode - ESD Protection
- Side view Package
- Excellent Solderability and resistance to soldering heat.
- High Reliability, 100% Probing Test.
- Low thermal resistance

Items	Symbols	Ratings	Unit
Operation Forward Current	$I_f$	25	mA
Dominant wavelength	$\lambda_D$	0.275/0.25	coord.
Operating Temperature Range	$T_{Op}$	-25 ~ 80	C
Power Dissipation	$P_D$	95	mW
Reverse Voltage	$V_r$	5	V
Storage Temp. Range	$T_s$	-40 ~ 100	C
Soldering Temperature	$T_{sol}$	* 240	C

## ELECTRICAL-OPTICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min.	Typ.	Max.
Forward Voltage	$V_f$	IF=40mA	--	3.4	3.75
Wavelength	coord.	IF=120mA	0.276/0.243	--	0.266/0.260
Luminous Intensity	mcd	IF=120mA	520	1000	--

## SERIES STANDARD SPECIFICATIONS

Shape	Emitting Color	Part Number	Wavelength (nm)	Diffusion	IR( $\mu$ A) VR=10V MAX	Luminous Intensity (ncd) IF=120mA Typ	Emitting Material	Viewing Angle $\Theta$ (deg.)
4012	White	ADLSMV-4012-C100-L1	(0.31/.35)	W.C.	100	760	AlGaInP	110

## RECOMMENDED SOLDERING PATTERN

