

# Light Emitting Diodes

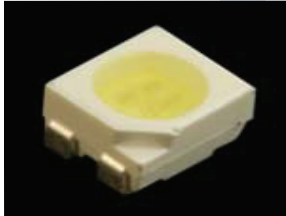
Surface Mount LEDs

ADLSM Series



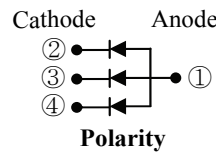
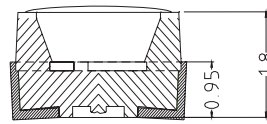
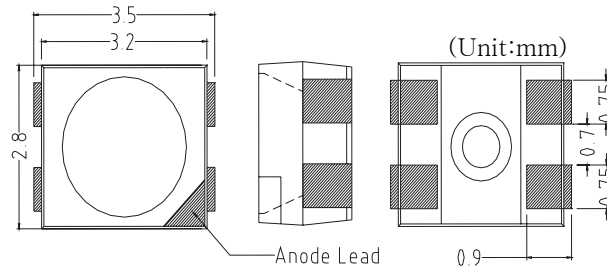
ADLSM4-3528-C200-Sx

YELLOW



## 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 brightness makes it a perfect choice for cellphone camera flashes.



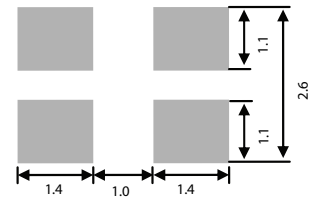
## FEATURES

- High Luminous intensity, with a longer operation life.
- Compact package
- Excellent Solderability and resistance to soldering heat.
- High Reliability, 100% Probing Test.
- Low thermal resistance

## ABSOLUTE MAXIMUM RATINGS

Items	Symbols	Ratings	Unit
Operation Forward Current	$I_f$	20	mA
Dominant wavelength	$\lambda_D$	590	nm
Operating Temperature Range	$T_{Op}$	-25 ~ 80	C
Power Dissipation	$P_D$	75	mW
Reverse Voltage	$V_r$	5	V
Storage Temp. Range	$T_s$	-30 ~ 100	C
Soldering Temperature	$T_{sol}$	* 240	C

## RECOMMENDED SOLDERING PATTERN



## ELECTRICAL-OPTICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min.	Typ.	Max.
Forward Voltage	$V_f$	IF=20mA	2.9	--	3.5
Wavelength	nm	IF=20mA	580	--	595
Luminous Intensity	mcd	IF=20mA	90	--	600

## SERIES STANDARD SPECIFICATIONS

Shape	Emitting Color	Part Number	Wavelength (nm)	Diffusion	IR( $\mu$ A) VR=10V MAX	Luminous Intensity (mcd) IF=120mA Typ	Emitting Material	Viewing Angle $\Theta$ (deg.)
3528	Yellow	ADLSM4-3528-C200-Sx	(590)	W.C.	100	300	AlGaInP	120

Bin Ranking	S1	S2	S3	S4
IV (mcd)	90 - 120	150 - 250	250 - 400	400 - 600