

# Light Emitting Diodes

Surface Mount LEDs

ADLSM Series

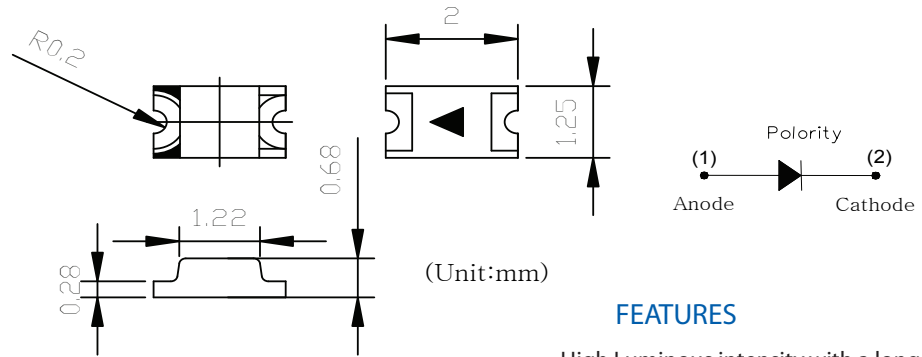
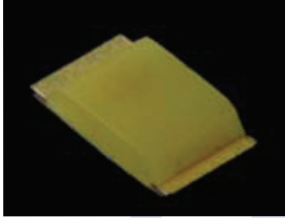


ADLSM2-2012-C200-Sx

## 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.

RED

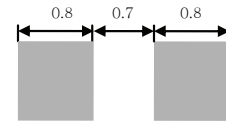


## ABSOLUTE MAXIMUM RATINGS

Items	Symbols	Ratings	Unit
Operation Forward Current	$I_f$	20	mA
Dominant wavelength	$\lambda_D$	630	mcd
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

- ## FEATURES
- High Luminous intensity, with a longer operation life.
  - Excellent consistency on color, intensity and Forward Current.
  - Low profile 0.68mm height.
  - Excellent Solderability and resistance to soldering heat.
  - High Reliability, 100% Probing Test.
  - Low thermal resistance

## RECOMMENDED SOLDERING PATTERN



## ELECTRICAL-OPTICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min.	Typ.	Max.
Forward Voltage	$V_f$	$I_f=20mA$	1.9	--	2.5
Wavelength	(coord.)	$I_f=20mA$	620	630	635
Luminous Intensity	mcd	$I_f=20mA$	60	--	200

## SERIES STANDARD SPECIFICATIONS

Shape	Emitting Color	Part Number	Wavelength (nm)	Diffusion	IR( $\mu A$ ) VR=10V MAX	Luminous Intensity (mcd) IF=20mA Typ	Emitting Material	Viewing Angle $\theta$ (deg.)
0805	Red	ADLSM2-2012-C200-Sx	630	W.C.	10	155	AlGaInP	120

Bin Ranking	S1	S2	S3	S4
IV (mcd)	60 - 90	90 - 120	120 - 200	200 - 300