

Light Emitting Diodes

Surface Mount LEDs

ADLSM Series

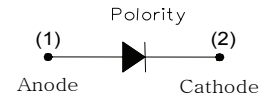
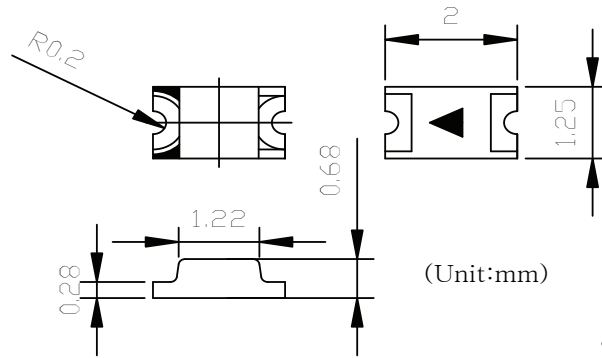
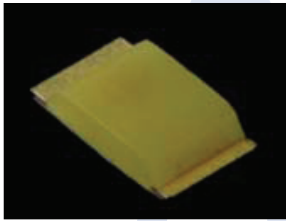


ADLSM4-2012-C200-Sx

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.



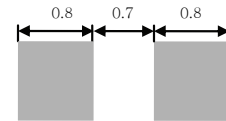
ABSOLUTE MAXIMUM RATINGS

Items	Symbols	Ratings	Unit
Operation Forward Current	I_f	20	mA
Dominant wavelength	λ_D	590	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.)	$I_f=20mA$	580	590	595
Luminous Intensity	mcd	$I_f=20mA$	60	--	200

SERIES STANDARD SPECIFICATIONS

Shape	Emitting Color	Part Number	Wavelength (nm)	Diffusion	IR(μA) VR=10V MAX	Luminous Intensity (mcd) IF=20mA Typ	Emitting Material	Viewing Angle θ (deg.)
0805	Yellow	ADLSM4-2012-C200-Sx	590	W.C.	10	155	AlGaInP	120

Bin Ranking	S1	S2		
IV (mcd)	150 - 200	200 - 400		