

Light Emitting Diodes

Surface Mount LEDs

ADLSM Series

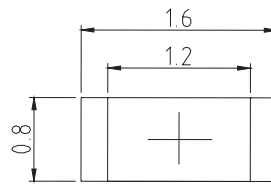
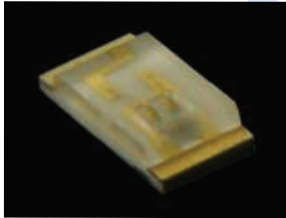


ADLSM0-1608-C200-Sx

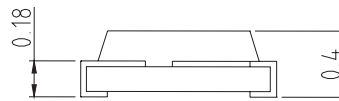
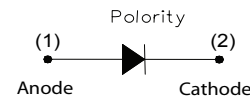
INTRODUCTION

WHITE

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.



(Unit:mm)



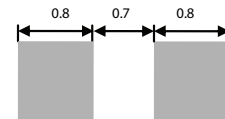
FEATURES

- High Luminous intensity, with a longer operation life.
- Excellent consistency on color, intensity and Forward Current.
- Low voltage DC operated.
- 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	λ_D	(0.29/0.33)	(coord.)
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	1.9	--	2.5
Wavelength	(coord.)	IF=20mA	0.29/0.315	--	0.335/0.385
Luminous Intensity	mcd	IF=20mA	150	--	400

SERIES STANDARD SPECIFICATIONS

Shape	Emitting Color	Part Number	Wavelength (nm)	Diffusion	IR(μ A) VR=10V MAX	Luminous Intensity (mcd) IF=20mA Typ	Emitting Material	Viewing Angle Θ (deg.)
0603	White	ADLSM0-1608-C200-Sx	(0.29/0.33)	W.C.	10	250	InGaAlN	120

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