

Light Emitting Diodes

Surface Mount LEDs

ADLSM Series

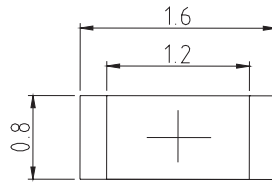
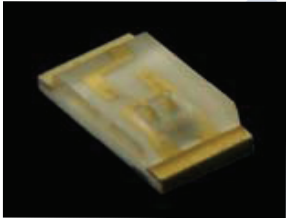


ADLSM7-1608-C200-L1

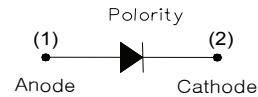
INTRODUCTION

BLUE

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)



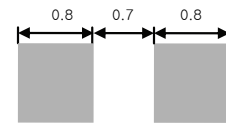
ABSOLUTE MAXIMUM RATINGS

Items	Symbols	Ratings	Unit
Operation Forward Current	I_f	20	mA
Dominant wavelength	λ_D	n/a	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

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

RECOMMENDED SOLDERING PATTERN



ELECTRICAL-OPTICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min.	Typ.	Max.
Forward Voltage	V_f	$I_F=20mA$	2.7	--	3.25
Reverse Current	I_r	$V_R=5V$	--	--	10
Luminous Intensity	I_m	$I_F=20mA$	20	28	--

SERIES STANDARD SPECIFICATIONS

Shape	Emitting Color	Part Number	Wavelength (nm)	Diffusion	IR(μA) $V_R=10V$ MAX	Luminous Intensity (I_m) $I_F=20mA$ Typ	Emitting Material	Viewing Angle Q (deg.)
0603	Blue	ADLSM7-1608-C200-L1	468	W.C.	10	28	InGaAlP	120

TAPING OUTLINE DIMENSIONS

