

Light Emitting Diodes

High Power LEDs

ADLHP Series

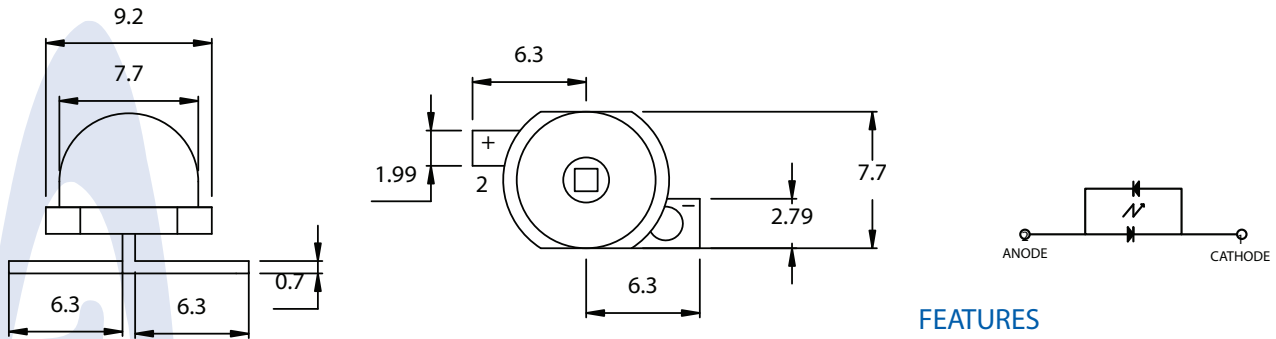


ADLHP7-8BC200-M1-B

BLUE

INTRODUCTION

The Adiva High-Power LED has a wide range of applications and a uniquely designed shape and is encapsulated in water clear epoxy resin with an 8mm diameter.



ABSOLUTE MAXIMUM RATINGS

| Items | Symbols | Ratings | Unit |
|-----------------------------|-------------|-----------|------|
| Operation Forward Current | I_f | 350 | mA |
| Dominant wavelength | λ_D | 460 | nm |
| Operating Temperature Range | T_{Op} | -25 ~ 80 | C |
| Power Dissipation | P_D | 1.2 | W |
| Reverse Current | I_{rz} | 10 | mA |
| Storage Temp. Range | T_s | -30 ~ 100 | C |
| Soldering Temperature | T_{sol} | * 240 | C |

Conditions

ELECTRICAL-OPTICAL CHARACTERISTICS

| Parameter | Symbol | Test Condition | Min. | Typ. | Max. |
|--------------------|--------|----------------|------|------|------|
| Forward Voltage | V_f | $I_F=350mA$ | | 3.5 | |
| Reverse Current | I_r | $V_R=10V$ | | | 10 |
| Luminous Intensity | I_m | $I_F=350mA$ | | 8 | |

SERIES STANDARD SPECIFICATIONS

| Shape | Emitting Color | Part Number | Wavelength (nm) | Diffusion | IR(μA) VR=10V MAX | Luminous Intensity (I_m) IF=350mA Typ | Emitting Material | Viewing Angle Q (deg.) |
|----------|----------------|--------------------|-----------------|-----------|--------------------------------|---|-------------------|------------------------|
| 8 ϕ | Blue | ADLHP7-8BC200-M1-B | 520 | W.C. | 10 | 8 | InGaAlP | 140 |

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

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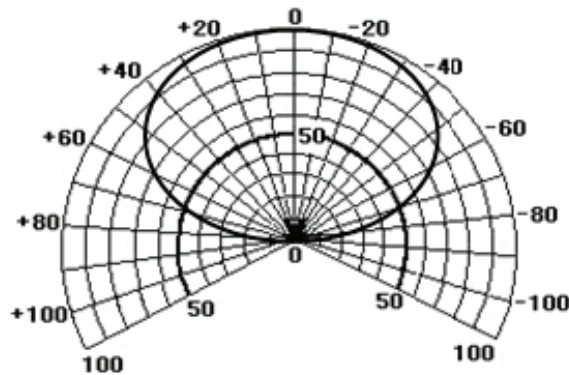
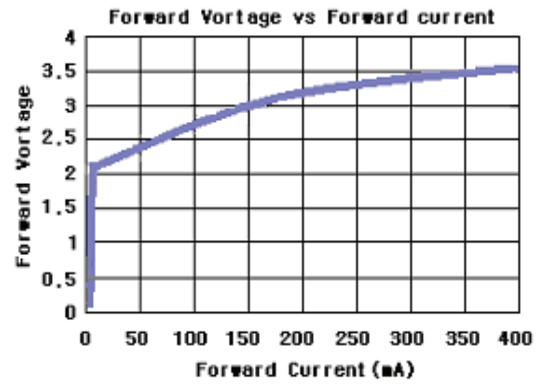
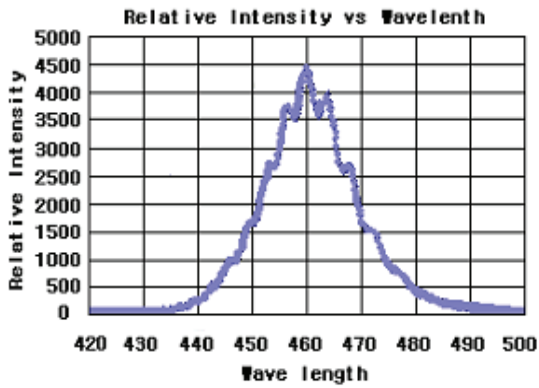
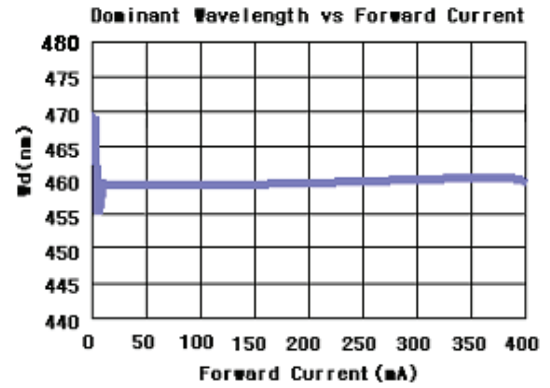
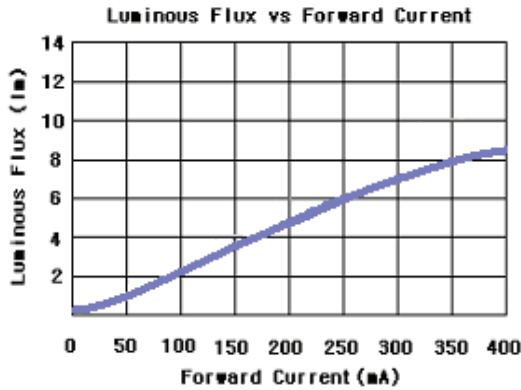
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Directive Characteristics