

LED Socket

LAMP

PRODUCT SPECIFICATIONS

AMBER LED SOCKET LAMP

LED-4ABR-12SA-1
12v AC LED Socket Lamp 0.19w
Amber

DESCRIPTION

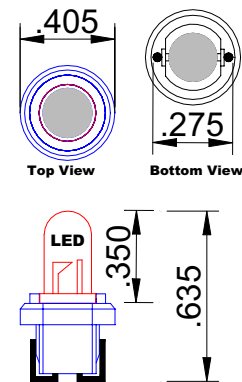
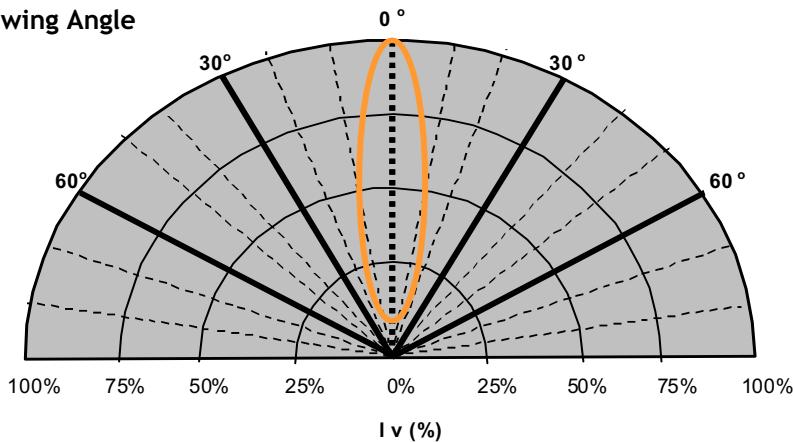
SOURCE MATERIAL ----- AlGaInP
EMITTING COLOR ----- ORANGE
LENS TYPE ----- WATER CLEAR

ABSOLUTE MAXIMUM RATING (Ta=25°C)

PEAK FORWARD CURRENT ----- 50mA
AVERAGE FORWARD CURRENT ----- 15mA
DERATING FACTOR ----- .40mA/°C
REVERSE VOLTAGE ----- 12.0V
OPERATING TEMPERATURE ----- -40°C TO 85°C
STORAGE TEMPERATURE ----- -40°C TO 100°C
SPEED OF RESPONSE ----- 40ns



Viewing Angle



Characteristics (Ta=25°C)

PARAMETER	CONDITION	SYMBOL	MIN	TYP	MAX	UNIT
DOMINANT WAVELENGTH	If=20mA	ID		605		nm
PEAK EMISSION WAVELENGTH	If=20mA	IP		608		nm
FORWARD VOLTAGE	If=20mA	VF	1.8	1.94	2.4	V
REVERSE CURRENT	VR=12V	Ir			50	mA
LUMINOUS INTENSITY	If=20mA	Iv	1800	2000	2400	mcd
VIEWING ANGLE	If=20mA	2u1/2		30		deg

Note:

- The dominant wavelength, ID, is derived from CIE 1931 Chromaticity Diagram and represents the emitting color of the device.
- The luminous intensity of the lamp is measured on the mechanical axis of the lamp. The optical axis is closely aligned with the package mechanical axis.
- Less than 10% of the distribution have Iv around minimum value.
- More than 70% of the distribution is within the typical value (+/- 15%)
- Specifications are subject to change without notice.



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