EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

10mm White LED
OSPW0231A-RS

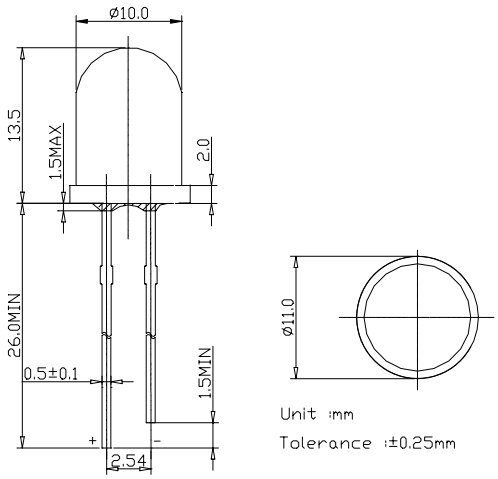
■Features

- High Power LEDs
- 10mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy

■Applications

- Automotive Lighting
- Back Lighting

■Outline Dimension

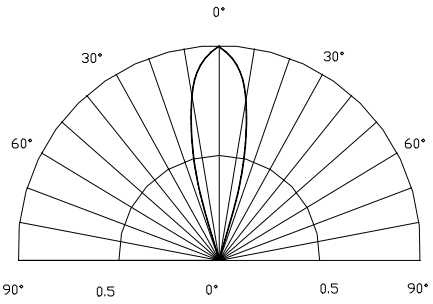


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	120	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40 ~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

*Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=20mA	2.8	3.3	3.8	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Luminous Intensity	Iv	I_F=20mA	7000	8400	10000	mcd
Chromaticity Coordinate*	x	I_F=20mA	0.26	0. 31	0.36	
	y	I_F=20mA	0.24	0.30	0.34	
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	30	-	deg

*Please refer to CIE 1931 chromaticity diagram.