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PW5111A-Z3

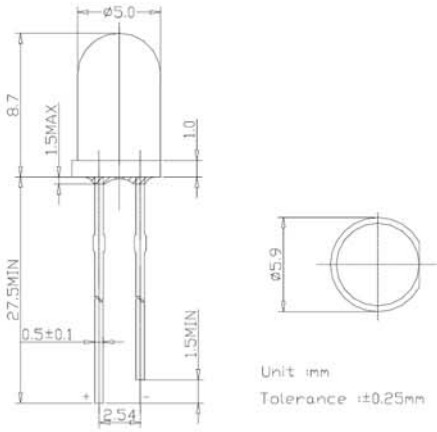
▪Features

- 5ø Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type
- RoHS Compliant

▪Applications

- General Purpose Indicators
- Small Area Illuminations
- Back Lighting

▪Outline Dimension

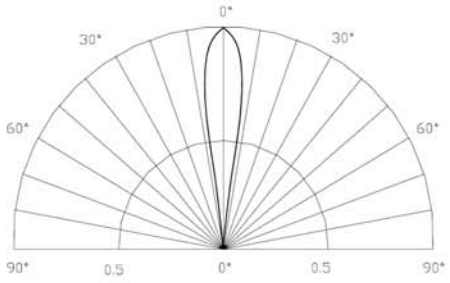


▪Absolute Maximum Rating (Ta=25℃)

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~ +80	℃
Storage Temperature	Tstg	-30 ~+100	℃
Lead Soldering Temperature	Tsol	260℃/3sec	-

*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	25000	30000	36000	mcd
Chromaticity Coordinate*	x	I_F=20mA	0.27	0.31	0.35	
	y	I_F=20mA	0.28	0.30	0.33	
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	15	-	deg

*Please refer to CIE 1931 chromaticity diagram.

LED & Application Technologies