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

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OptoSupply

5mm Red & Pure Green Bi-polar LED

OSRPM25A32A

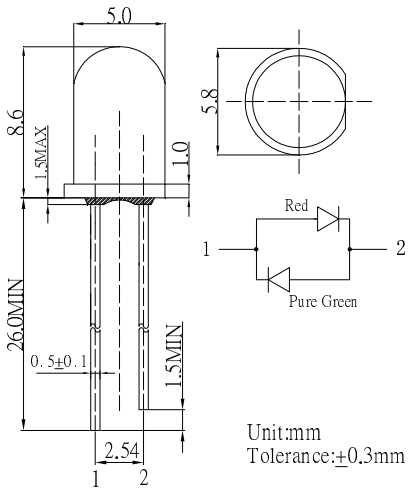
■Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- White Diffused Type

■Applications

- Indicate Lamp
- Toys/Games/ Audio
- Other Lighting

■Outline Dimension

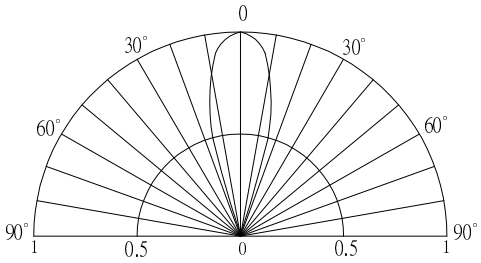


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value		Unit
		Red	Green	
DC Forward Current	I_F	50	30	mA
Pulse Forward Current*	I_{FP}	120	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	130	108	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 (R)	I_F=20mA	1.8	2.1	2.6	V
	V_F (Gree)	I_F=20mA	2.9	3.1	3.6	
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Domi. Wavelength	λ_D(Red)	I_F=20mA	619	624	629	nm
	λ_D(Green)	I_F=20mA	520	525	530	nm
Luminous Intensity	Iv(Red)	I_F=20mA	1560	2180	-	mcd
	Iv(Green)	I_F=20mA	2180	3000	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	30	-	deg

*1 Tolerance of dominant wavelength is ±1nm

*2 Tolerance of luminous intensity is ±15%

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