OptoSupply

5mm Blue Long LED

OSUB5111A

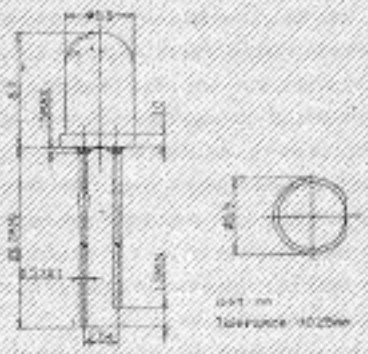
■Features

- High Power LEDs
- 5φ Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy

■Applications

- Electronic Signs and Signals
- Back Lighting

■Outline Dimension

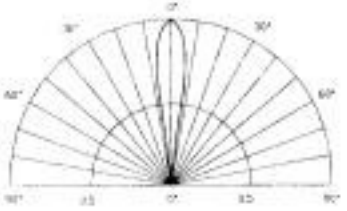


■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	25	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	120	mW
Operating Temperature	Topr	-20 ~ +75	°C
Storage Temperature	Tstg	-30 ~ +80	°C
Lead Soldering Temperature	Tsol	260°C/3sec	-

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

■Dir ectivity



■Electrical -Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=20mA	3.0	3.4	3.8	V
DC Reverse Current	I_R	V_R=5V	-	-	100	μA
Dom. Wavelength	λ_D	I_F=20mA	-	470	-	nm
Luminous Intensity	Iv	I_F=20mA	6000	7000	-	mcd
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	15	-	deg

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