



TOLAIR002A

Reflector LED

1. SPECIFICATIONS

1- 1. Absolute Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Unit	Rating	Remark
Power Dissipation	Pd	mW	200	
Forward Current	If	mA	100	
Pulse Current	I _{frm}	mA	700	*1
Reverse Voltage	Vr	V	5	
Operating Temperature	T _{opr}	°C	-30 to +85	
Storage Temperature	T _{stg}	°C	-30 to +90	

*1 Condition : Pulse Width ≤ 100µsec., duty ≤ 1/100

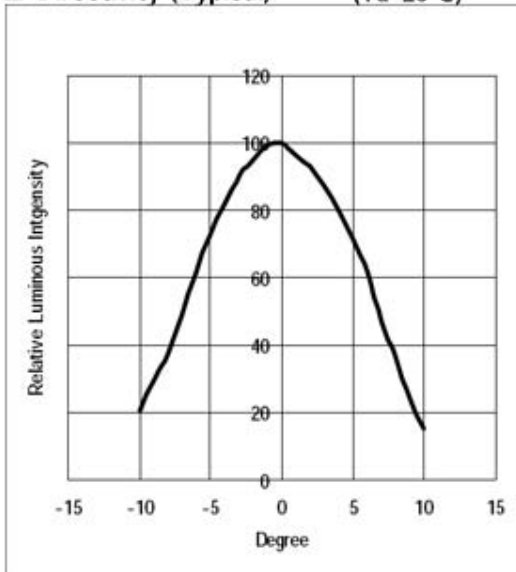
1- 2. Electrical / Optical Characteristics

(Ta=25°C)

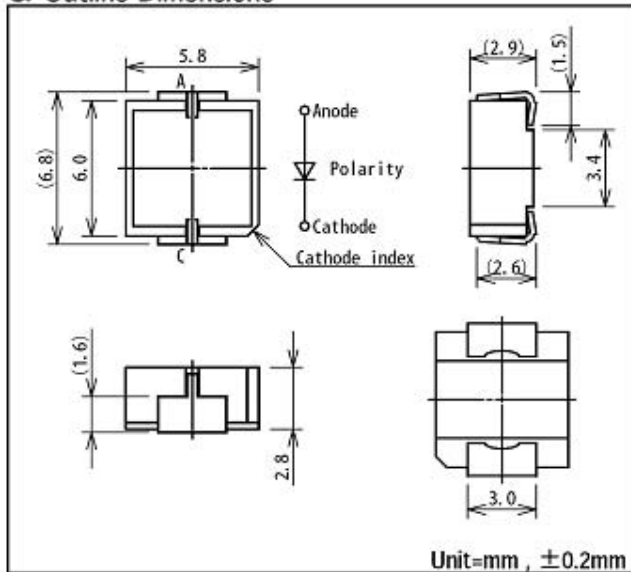
Parameter	Symbol	Min.	Typ.	Max.	Condition	Unit
Forward Voltage	Vf		1.4	1.7	If=20mA	V
Reverse Current	I _r			10	Vr=5V	µA
Peak Wavelength	λ _p	860	875	885	If=50mA	nm
Half Spectral Bandwidth	Δλ		45		If=50mA	nm
Light Output Power	P _o	14	18		If=50mA	mW
Peak Intensity	I _p	150	230		If=50mA	mW/sr
Directivity	1/2θ		± 7		If=50mA	°
Rise/Fall Time			25			ns

2. Directivity (Typical)

(Ta=25°C)



3. Outline Dimensions





Typical Performance Curves

