

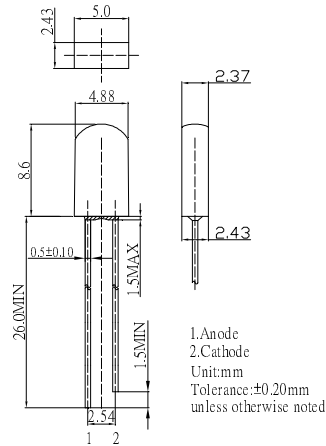
■ Features

- High Radiant Power LEDs
- 2.43x5.0x8.6mm Tombstone Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- IrDA
- Encoder
- Data Communication

■ Outline Dimension



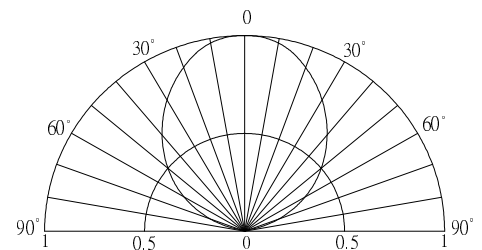
■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I_F	100	mA
Pulse Forward Current*	I_{FP}	1000	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	180	mW
Operating Temperature	T_{opr}	-30 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T_{sol}	260°C/5sec	-

*Pulse width Max 0.1ms, Duty ratio max 1/10

■ Directivity



■ Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F	$I_F=100mA$	-	1.6	1.8	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Peak Wavelength*2	λ_p	$I_F=100mA$	-	940	-	nm
Radiant Power*3	P_o	$I_F=100mA$	-	45	-	mW
Radiant Intensity*4	I_e	$I_F=100mA$	-	20	-	mW/Sr
50% Power Angle	$2\theta_{1/2}$	$I_F=100mA$	-	100	-	deg

*1 Tolerance of measurements of forward voltage is ±0.1V

*2 Tolerance of measurements of peak wavelength is ±1nm

*3 Tolerance of measurements of Radiant Power is ±15%

*4 Tolerance of measurements of Radiant Intensity is ±15%

AlGaAs LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

vs. Forward DC Current

