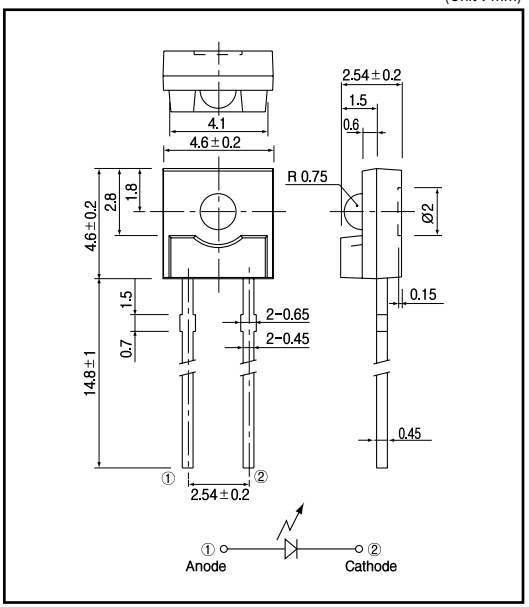
BL - 23G

The BL - 23G is a GaAlAsLED mounted in a clear sidelooking package. The device is ideal for the use with plastic fiber optic cables, as a light loss is minimum at wavelength of 660nm.

DIMENSIONS

(Unit : mm)



FEATURES

- Small size
- Low profile package
- High speed response
- Sidelooking plastic package

APPLICATIONS

- Fiber optic communication

MAXIMUM RATINGS (Ta=25℃)

Item	Symbol	Rating	Unit
Reverse voltage	V_R	5	V
Forward current	I_F	40	mA
Pulse forward current *1	I_{FP}	0.3	A
Power dissipation	P_D	100	mW
Operating temp.	Topr.	- 25 ~ + 85	℃
Storage temp.	Tstg.	- 30 ~ + 100	℃
Soldering temp. *2	Tsol.	240	℃

*1. pulse width : tw ≦100 μsec.period : T=10msec.
*2. For MAX.5 seconds at the position of 2 mm from the package

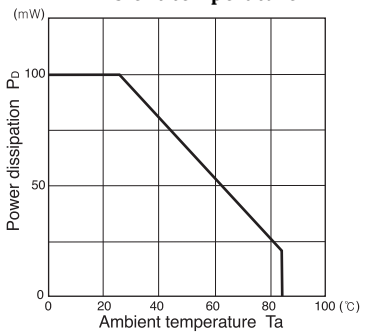
ELECTRO-OPTICAL CHARACTERISTICS (Ta=25℃)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Forward voltage	V_F	I_F=20mA		1.8	2.2	V
Reverse current	I_R	V_R=5V			10	μA
Capacitance	Ct	f=1MHz		47		pF
Radiant intensity	P_O	I_F=20mA		0.6		mW/sr
Peak emission wavelength	λp	I_F=20mA		660		nm
Spectral bandwidth 50%	Δλ	I_F=20mA		20		nm
Half angle	△θ			±30		deg.

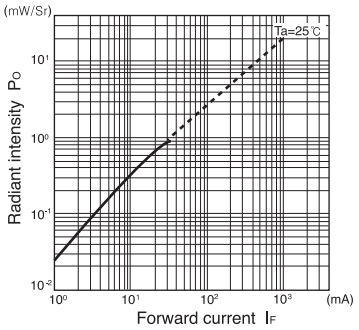
Emitter for Optical Fiber(GaAlAs)

BL - 23G

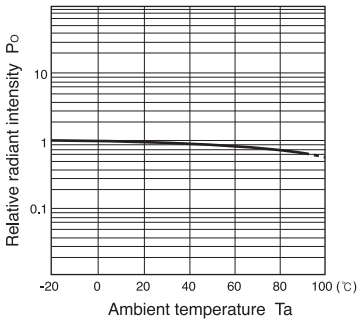
Power dissipation Vs. Ambient temperature



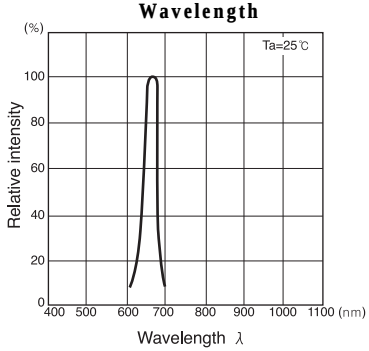
Radiant intensity Vs. Forward current



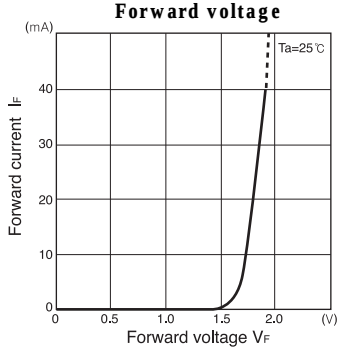
Relative radiant intensity Vs. Ambient temperature



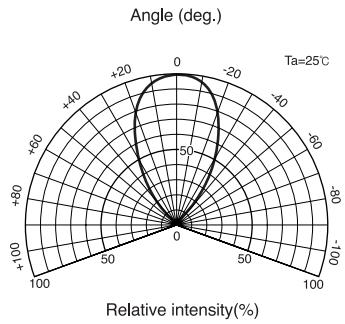
Relative intensity Vs. Wavelength



Forward current Vs. Forward voltage



Radiant Pattern



Relative radiant intensity Vs. Distance