

**KBL23G**

The KBL23G is a GaAlAs LED mounted in a clear side-looking package, is compact, low profile and easy to mount.

**Features**

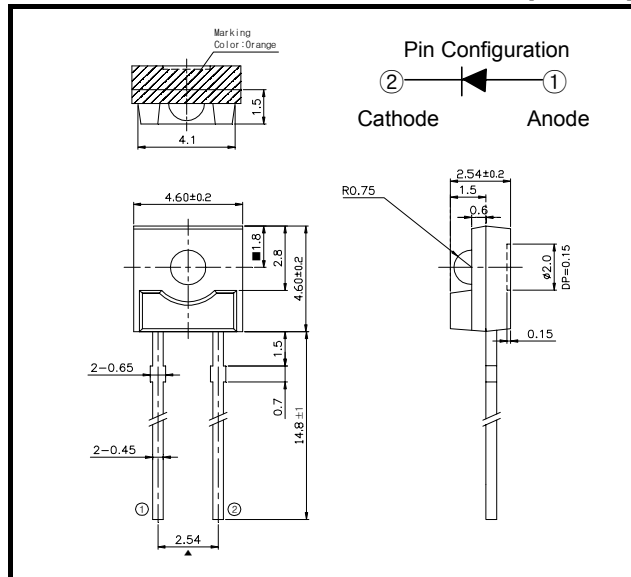
- Small Size
- Low profile package
- High speed response
- Sideloooking plastic package

**Applications**

- Optical emitters
- Optical switches
- Optical Sensors

**Dimensions**

[Unit : mm]



**Absolute Maximum Ratings**

[T<sub>A</sub> = 25°C ]

Parameter	Symbol	Rating	Unit
Forward Current	I <sub>F</sub>	40	mA
Reverse Voltage	V <sub>R</sub>	5	V
Pulse Forward Current*1	I <sub>FP</sub>	0.3	A
Power Dissipation	P <sub>D</sub>	100	mW
Operating Temperature	T <sub>opr.</sub>	-25~+85	°C
Storage Temperature	T <sub>stg.</sub>	-30~+100	°C
Soldering Temperature*1	T <sub>sol</sub>	260	°C

\*1.pulse width : t<sub>w</sub> ≤ 100usec.period : T=10msec.

\*2.For MAX.5 seconds at the position of 2mm from the package.

**ELECTRO- OPTICAL CHARACTERISTICS**

Description	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	-	1.8	2.1	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	uA
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =20mA	-	660	-	nm
Radiant Power	P <sub>O</sub>	I <sub>F</sub> =20mA	-	1.6	-	mW
Spectral Width at FWHM	Δλ	I <sub>F</sub> =20mA	-	20	-	nm
Half Angle	Δθ	-	-	±30	-	deg

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**DYNAMIC CHARACTERISTICS**

