

# Point Source LEDs KED080RAXH

## Characteristics

- High reliability and long life
- 80µm emitting area

### Applications

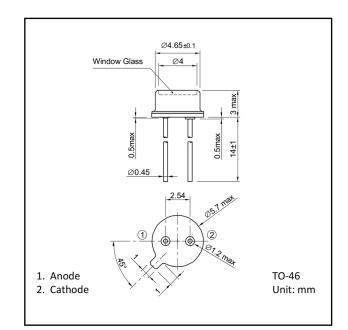
- High speed optical sensors
- Optical encoders

## **Chip Material**

GaAlAs

## Package

• TO-CAN





## Absolute Maximum Ratings

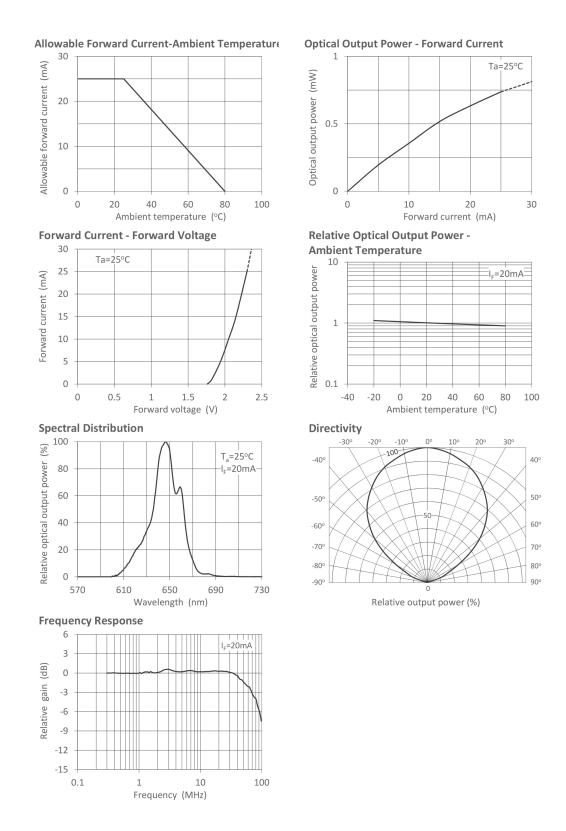
Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V <sub>R</sub>	3	V	
				-
Forward current	I <sub>F</sub>	25	mA	- T <sub>a</sub> =25
Operating temperature	T <sub>opr</sub>	-20 to +80		Avoid dew condensation
Storage temperature	T <sub>stg</sub>	-30 to +100		Avoid dew condensation

Electrical and Optical characteristics

(T<sub>a</sub>=25 unless otherwise noted)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Reverse Current	I <sub>R</sub>	-	-	10	μA	V <sub>R</sub> =3V
Forward voltage	V <sub>F</sub>	-	2.2	3.0	V	I <sub>F</sub> =20mA
Optical output power	Po	-	0.6	-	mW	I <sub>F</sub> =20mA
Peak wavelength		_	650	_	nm	I <sub>F</sub> =20mA
	р		050			
Half angle	2	-	115	-	deg.	I <sub>F</sub> =20mA
Cutoff frequency	f <sub>c</sub>	-	70	-	MHz	I <sub>F</sub> =20mA







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