

Parallel Beam LEDs

KED308HQ

Characteristics

- Parallel beam
- High output power
- Uniform light intensity distribution

Applications

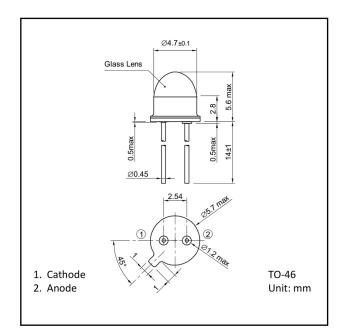
- Rotary encoders
- Linear encoders
- Optical sensors

Chip Material

• GaAlAs

Package

• TO-CAN





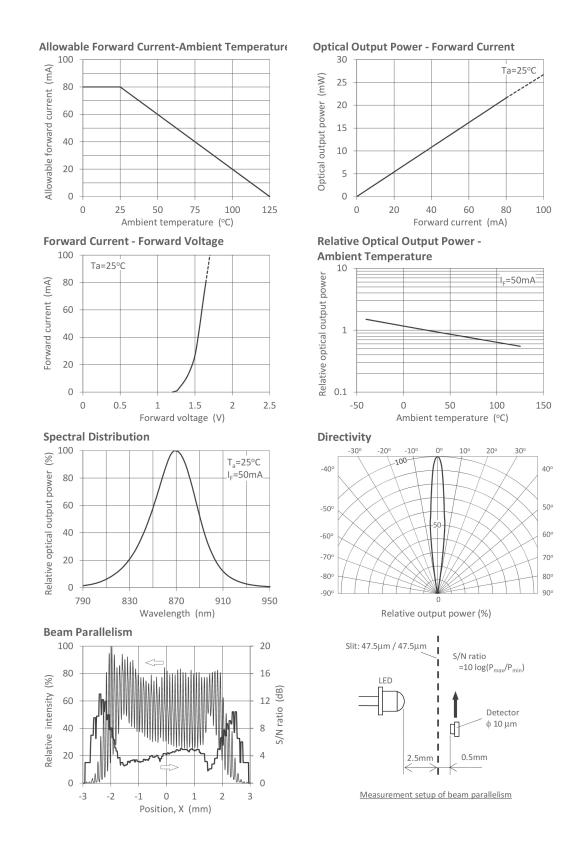
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V _R	5	V	-
				-
Forward current	I _F	80	mA	T _a =25
Power dissipation	P _D	140	mW	- T _a =25
Operating temperature	T _{opr}	-40 to +125		Avoid dew condensation
Storage temperature	T _{stg}	-40 to +125		Avoid dew condensation

Electrical and Optical characteristics (T_a=25 unless otherwise noted)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Reverse Current	I _R	-	-	10	μA	V _R =5V
Forward voltage	V _F	-	1.6	2.0	V	I _F =50mA
Optical output power	Po	-	12	-	mW	I _F =50mA
Peak wavelength	р	-	870	-	nm	I _F =50mA
Spectral width		-	50	-	nm	I _F =50mA
Half angle	2	-	12	-	deg.	I _F =50mA







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