

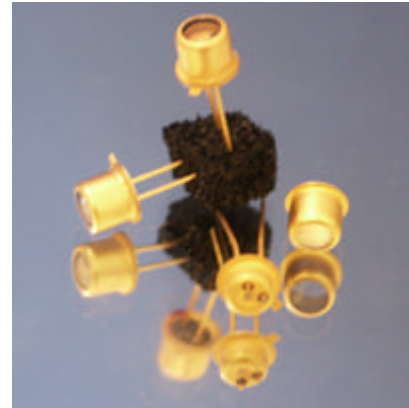
# LIGHT EMITTING DIODES 1.6-4.6 $\mu\text{m}$

## Model LED21 2.15 mm 1.1 mW

•Light Emitting Diodes **LED21** are designed for emitting at a spectral range around 2150 nm. Heterostructures (HS) are grown on GaSb substrates. The output emission can be modulated by current flowing in a forward direction.

•Light Emitting Diodes **LED21** are developed for using in optical gas sensors and medical diagnostics. They have stable output power and lifetime more than 10000 hours.

•Related products: **LED21** can be used in optical pair with our photodiodes **PD24**. Our standard **LED Driver** provides power supply of **LED21** in two recommended here regimes (Quasi-CW and Pulsed).



Parameters	Min	Typ	Max
Wavelength, $\mu\text{m}$	2.10	2.15	2.19
FWHM, $\mu\text{m}$	0.15	0.20	0.25
Optical Power, mW			
Quasi-CW @ 200 mA	0.9	1.1	1.3
Pulsed@1A	25	28	30
Switching Time, ns	10	30	50
Operating Temperature Range, $^{\circ}\text{C}$	-240 $\div$ +50		
Emitting Area, $\mu\text{m}$	300x300		
Soldering temperature	260 $^{\circ}\text{C}$		
Package	TO-18		

### Recommended regimes of operation

