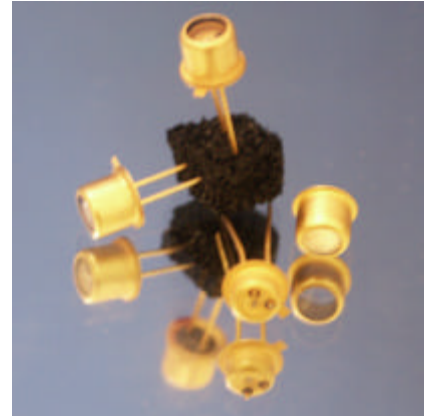


# LIGHT EMITTING DIODES 1.6÷4.6 μm

## Model LED17 1.75 mm 0.9 mW

- Light Emitting Diodes **LED17** are designed for emitting at a spectral range around 1750 nm. Heterostructures (HS) are grown on GaSb substrates. The output emission can be modulated by current flowing in a forward direction.
- Light Emitting Diodes **LED17** are developed for using in optical gas sensors and medical diagnostics. They have stable output power and lifetime more than 10000 hours. **LED17** specially is very convenient for detection of the Methane and other Hydrocarbons.
- Related products: **LED17** can be used in optical pair with our photodiodes **PD24**. Our standard **LED Driver** provides power supply of **LED17** in two recommended here regimes (Quasi-CW and Pulsed).



Parameters	Min	Typ	Max
Wavelength, μm	1.70	1.75	1.79
FWHM, μm	0.10	0.15	0.20
Optical Power, mW			
Quasi-CW @ 200 mA	0.7	0.9	1.1
Pulsed@1A	15	20	25
Switching Time, ns	10	30	50
Operating Temperature Range, °C	-240÷+50		
Emitting Area, μm	300x300		
Soldering temperature	260 °C		
Package	TO-18		

### Recommended regimes of operation

