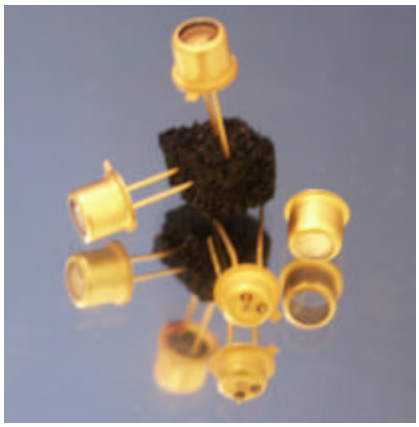
LIGHT EMITTING DIODES 1.6÷4.6 µm

Model LED16 1.65 mm 0.9 mW



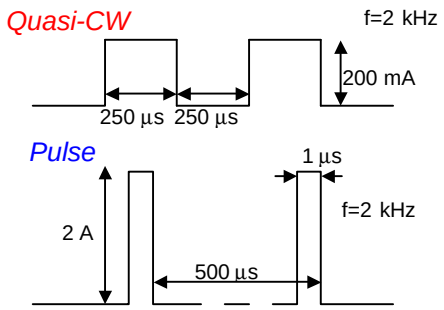
•Light Emitting Diodes ***LED16*** are designed for emitting at a spectral range around 1650 nm. Heterostructures (HS) are grown on GaSb substrates. The output emission can be modulated by current flowing in a forward direction.

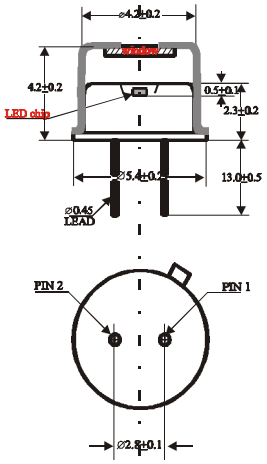
•Light Emitting Diodes ***LED16*** are developed for using in optical gas sensors and medical diagnostics. They have stable output power and lifetime more then 10000 hours. ***LED16*** specially is very convenient for detection of the Methane and other Hydrocarbons.

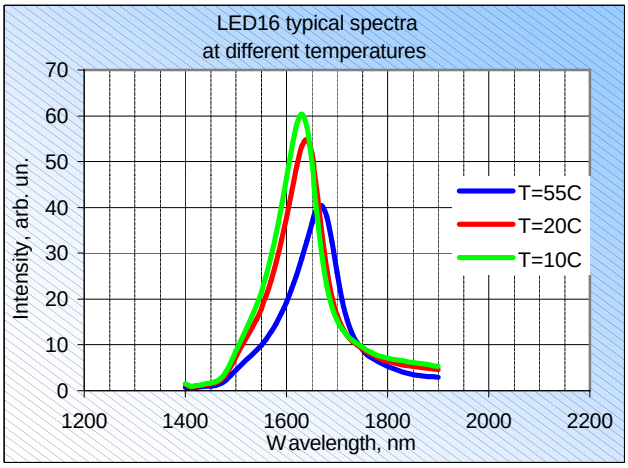
•Related products: ***LED16*** can be used in optical pair with our photodiodes ***PD24***. Our standard ***LED Driver*** provides power supply of ***LED16*** in two recommended here regimes (Quasi-CW and Pulsed).

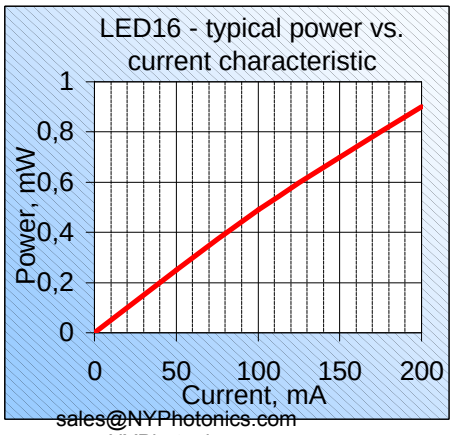
Parameters	Min	Typ	Max
Wavelength, µm	1.60	1.65	1.69
FWHM, µm	0.10	0.15	0.20
Optical Power, mW Quasi-CW @ 200 mA Pulsed@1A	 0.7 15	 0.9 20	 1.1 25
Switching Time, ns	10	30	50
Operating Temperature Range, °C	-240÷+50		
Emitting Area, µm	300x300		
Soldering temperature	260 °C		
Package	TO-18		

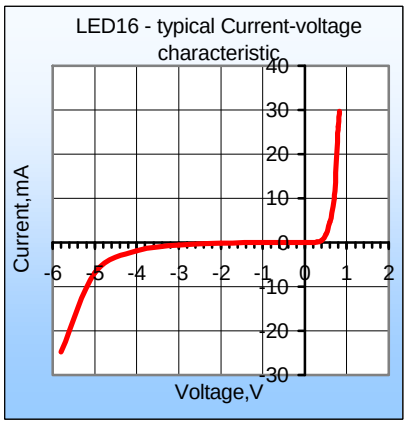
Recommended regimes of operation

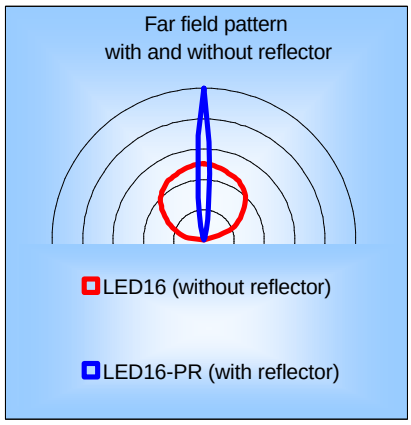












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