

LED21FC-TEC-PR

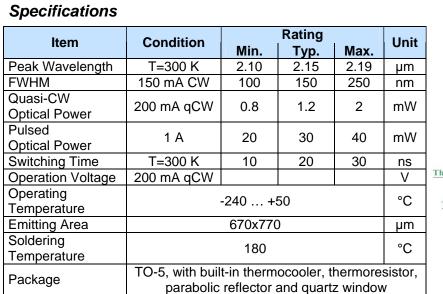
TECHNICAL DATA

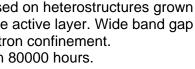
Mid-Infrared Light Emitting Diode, Flip-Chip Design

Light Emitting Diodes with central wavelength 2.15 µm series are based on heterostructures grown on GaSb substrates by LPE. Solid solutions AlGaAsSb are used in the active layer. Wide band gap solid solutions AIGaAsSb with AI content 64% are used for good electron confinement. LED21FC-TEC-PR has a stable ouput power and a lifetime more then 80000 hours.

Features

- Structure: GalnAsSb/AlGaAsSb, Flip-Chip Design •
- Peak Wavelength: typ. 2.15 µm
- Optical Ouput Power: typ. 1.2 mW qCW
- Package: TO-5, with TEC, thermistor, PR and window

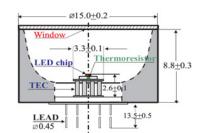


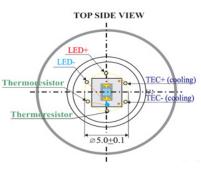


ATTENTION

FOR HANDLING

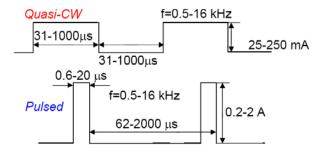
TROSTATIC SENSITIVE DEVICES





(Unit: mm)

Operating Regime



Quasi-CW

- Maximum current 220 mA
- Recommended current 150-200mA

Pulsed

Maximum current 1 A (puls lenght 500 ns, repetition rate 2kHz)



Typical Performance Curves

