PIN-FET Optical Receiver Assembly

Detectors

The assembly combines a PIN photodiode and a field-effect transistor input stage to convert a received optical signal into a voltage. Select responsivity for the expected optical input.



Technical specifications

Operating wavelength band (nm)	1290 to 1560
Linear responsivity (V/W)	0.72 / 0.36 / 0.18
Linear responsivity specifications	J / H / F
Linear saturation optical power (µW)	≥4 / ≥8 / ≥16
Minimum optical power in linear range (µW)	≤0.03 / ≤0.05 / ≤0.1
Linearity (%)	3
Transimpedance (kΩ)	800 / 400 / 200
3 dB Bandwidth (MHz)	4 to 10