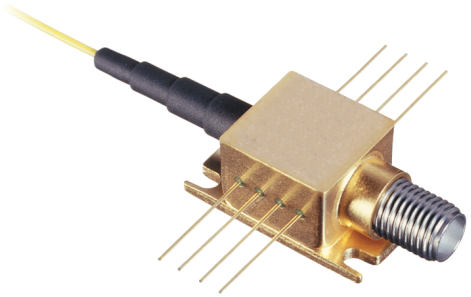
# PIN PHOTORECEIVERS



MACOM offers a choice of high bandwidth PIN+TIA photoreceivers. Coupling a high responsivity, proprietary, PIN photodiode, with a high performance amplifier to provide advanced o/e capabilities.

Highlights:

- High bandwidth, up to 50 GHz
- Broad wavelength, from 700-1650 nm
- High conversion gain, up to 3000 V/W
- Multimode and single-mode fibers

| Description | Wavelength (nm) | Bandwidth (GHz) | Sensitivity (dBm) | Conversion Gain (V/W) | RF Output | Fiber Diameter (µm) |
|---|---|---|---|---|---|---|
| PT-10SFA | 1200-1650 | 8.5 | -20 | 1400 | single-ended | 9 |
| PT-12A | 1200-1650 | 9 | -20 | 450 | single-ended | 9 |
| PT-12B | 700-1650 | 9.5 | -20 | 450 | single ended | 62.5 |
| PT-15SFA | 1200-1650 | 12 | -16.5 | 650 | Differential | 9 |
| PT-28E | 1200-1650 | 25 | – | 3000 | Differential | 9 |
| PT-28F/MM | 800-1650 | 32 | – | 100 | Differential | 50 |
| PT-28F/SM | 1200-1650 | 30 | – | 95 | Differential | 9 |
| PT-28G | 850 | | | | | 50 |
| PT-50A | 1200-1650 | 50 | – | 100 | single-ended | 9 |

For additional information and/or data sheets contact MorePhotonics

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