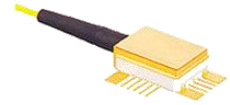


1103 APD (Avalanche Photo Diode)

FRM5N141GT



APD Receiver with Pre-amp, 10 Gb/s, -28 dBm Sensitivity

The FRM5N141GT incorporates a high bandwidth InGaAs APD photo diode, a GaAs amplifier in a hermetically sealed board mount type package. The APD is processed with modern epitaxial techniques resulting in a reliable performance over a wide range of operating conditions.

FEATURES

- Board Mount Type "GT" Package: 17 Pins
- InGaAs-APD with Pre-amplifier
- Integrated Design Optimizes Performance at Bit Rates Up to 10.7 Gb/s
- Electrical Differential Output
- High Sensitivity: -26.5 dBm
- Operates in Both C and L Wavelength Bands

USE IN

- Optical Receiver at 1310 nm or 1530 nm to 1610 nm in SONET, SDH, DWDM
- Other Optical Fiber Systems Operating Up to 10.7 Gb/s

| | |
|-----------------------------|-----------------------|
| Photodiode Type | APD+Pre-amp |
| Spectral Response Range | 1270 nm to 1620 nm |
| Responsivity | 0.9 A/W |
| Frequency Response | 7.5 GHz |
| Overload | 0 dBm typ.; After VOA |
| Sensitivity | -5 dBm |
| APD Breakdown Voltage | 25 V typ. |
| Optical Return Loss | 27 dB min. |
| Package Type | 17-Pin, SMD |
| Fiber Type | SMF |
| Detector Diameter | NA |
| Connectors | LC/UPC |
| Operation Temperature Range | 0°C to +75°C |