

The **ALM3** series are 1310nm DFB laser modules in industry standard butterfly package for use in the transmission of broadband analog signals. Their high linearity makes them especially suitable for CATV broadcast applications. All critical components, including optical isolator, TEC, thermistor, laser, and monitor photodiode are hermetically sealed in a butterfly package. Available in output powers from 6-15 dBm.



The **ALM938** is a high power, narrow linewidth (<1 MHz), CW laser emitting around 1550 nm, designed for use with an external modulator. In the same family, the **ALM935** is available in selected ITU-specified wavelengths. These lasers are housed in industry standard butterfly packages with polarization maintaining fibers (PMF). Power levels of 40, 50 and 60 mW are available.



The **PLMF3** series module incorporates a highly linear MQW DFB laser emitting at 1310 nm, sealed in an industry standard coaxial package with a single mode fiber pigtail integrated with an optical isolator. They are especially suited as cost effective light sources for analog CATV forward path. The **PLMR3s**, on the other hand, are similar sources tailored for uncooled analog CATV return path nodes, as are the **PLMR5** and **PLMR1XXC**, which incorporate DFB lasers at 1550 nm and CWDM wavelengths from 1470 nm to 1610 nm respectively. Output powers from 1 to 4 mW. The **PLMW3** and **PLMW5** series modules are 1310 nm and 1550 nm DFB lasers respectively, designed for analog RF over fiber applications up to 3 GHz.

The **FPMR** series are multi-quantum well Fabry Perot lasers suited for analog applications. Hermetically sealed in industry standard coaxial packages, the FPMRs are capable of operating over wider temperature ranges, making them a cost effective means for CATV Return Path or RF over fiber transmission.

The **TLMA3** and **TLMA5** are, respectively, 1310 nm and 1550 nm linear MQW DFB laser diode in TO-56 packages. They are intended for those who prefer to build their own fiber coupled devices. Suitable for RF over fiber, CDMA, and CATV return path applications.



The **PPDA** series module incorporates a highly linear photodiode sensitive to the communications wavelength range between 1100 nm and 1650 nm. This photodiode is hermetically packaged in an industry standard coaxial package with a single mode fiber pigtail. This module is especially suited for analog CATV intermediate and long reach applications, as well as higher bandwidth satellite and FTTX networks. **PPDD** series module is similar but optimized for low speed digital and power monitoring.

Optical Fiber Components such as Patch Cords, Fiber Pigtails, Connectors, Adapters, and Single Mode Couplers are also available. Our coupler selection includes 1x2 and 2x2, 1x3 and 1x4 split configurations. Our factory has been supplying top equipment vendors such as Huawei and Lucent Technologies for many years. We also build custom turnkey assemblies incorporating multiple passive and active components



Uncompromising Quality ... Competitive Prices
Empowered by Light

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