

Advanced Photonics Design

Description

Advanced(AD) Photonics has over ten years hands-on experience in photonics components and subsystem development. We are expertise in optical components/systems design, modeling and analyses, fiber optic module/coupling design, fiber optics passive/active components/modules characterization, complex optical system bench-top setups, opto-mechanical design and high speed optics design/test. We are professional in Zemax optical design program, Solidwork mechanical design software and Labview automatic measurement/control interface design. We can provide advanced optical solutions for all your engineering design needs.

Engineering services

- Optical module/subsystems design & modeling
- Display Optics modules development
- Fiber optic coupling/systems design
- Opto-mechanical design
- Complex optical system bench-top setup
- Optoelectronic components/subsystems characterization
- High speed optics design/test
- Automatic measurement/control interface design

AD Photonics

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Applications Fields

- ✓ Fiber optic communication
- ✓ Optical input/output (I/O)
- ✓ Fiber transceiver
- ✓ Laser-fiber coupling
- ✓ Fiber-waveguide coupling
- ✓ Data storage system
- ✓ Semiconductor lithography device
- ✓ Micro-optic system
- ✓ Optical networking
- ✓ Optical recording system

Products Information

- Engineering design contract
- Engineering consultant
- Engineering training

Advanced Optical Package Solutions

Description

Advanced(AD) Photonics has a couple years hands-on experience in optical package development. We are expertise in optical subassembly design, fiber optic active/passive alignment solution, micro-electronic assembly (wire-bond, die bond and flip-chip bond), package materials, package design and thermal analysis, reliability analysis and test, and high speed optical interconnect solutions. We can provide advanced optical package solutions for all your applications needs.

Engineering Solutions

- Optical subassembly (OSA) design and prototyping
- Fiber transceiver design and package
- fiber-optic active/passive alignment solutions
- Wire-bond, die-bond and flip-chip bond
- Package material selection
- Photonic package reliability issues
- High speed optical interconnect solutions
- Package design & thermal analysis

Applications Fields

- ✓ Fiber optic communication
- ✓ Optical input/output (I/O)
- ✓ Fiber transceiver
- ✓ Optoelectronic modules
- ✓ Fiber optics subsystem
- ✓ Optical switching system
- ✓ Micro-optic system
- ✓ Optical networking

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Products Information

- Engineering solution contract
- Engineering consultant
- Engineering technical service