

Die-cast housing for optical communication module



Overview

This high-precision optical module housing is engineered for the next generation of high-speed pluggable transceivers (SFP, QSFP, OSFP). Featuring an integrated heat-sink design with optimized fin geometry, this component provides superior thermal management for high-density. Product Overview Our custom metal housing for optical communication modules is a high-precision, CNC-machined component designed to meet the rigorous demands of modern fiber optic systems. Manufactured with strict quality control standards, these enclosures provide robust protection, excellent. With more than 15 years of experience in precision die casting, we focus on providing high-reliability die casting optical transceiver housing solutions for the telecommunication industry. Our housings are integrally die-cast from aluminum alloy. Manufactured via high-pressure die casting + CNC machining from premium aluminum alloy, it delivers exceptional structural strength. This die-cast optical module housing offers superior structural rigidity and thermal performance compared to standard plastic housings. The die-casting process ensures tight dimensional tolerances and a smooth surface finish, making it suitable for high-performance optical module applications where. Optical module housing, also known as transceiver housing or optic module enclosure, is a protective casing designed to hold and protect optical modules used in various communication and networking applications. These housings are crucial for maintaining the performance and reliability of optical. Zinc Alloy Die Castings Attribute Technical Specifications Material Grades ZAMAK 3 (ZnAl4Cu1), ZAMAK 5 (ZnAl4Cu1Mg), ZA-8, ZA-27 Key Characteristics High impact strength, Superior fluidity, EMI shielding, Excellent plating adhesion Casting Tolerance $\pm 0.03\text{mm}$ (ISO 2768-f) Wall Thickness Min.

Article Content

Die Casting Housing for Fiber Optic Transceiver Module

Ensure unparalleled performance and reliability for your high-speed optical modules with our custom precision die-cast housings. Engineered for the most demanding data center, telecommunications,

The Importance of Module Housing in Optical Modules

Heat Dissipation Optical modules generate heat during their operation, and excessive heat can negatively impact their performance and

Die Cast Metal Housing for Fiber Optic Communication Modules

Zinc Alloy Die Castings Attribute Technical Specifications Material Grades ZAMAK 3 (ZnAl4Cu1), ZAMAK 5 (ZnAl4Cu1Mg), ZA-8, ZA-27 Key Characteristics High impact strength, Superior fluidity,

OSFP Housing Standard 800G OSFP Module Case

The OSFP Housing encompasses the physical and mechanical features that house the optical and electrical components of a OSFP module. Its design is standardized to promote interoperability and

Customized Zinc Alloy Die-Cast Optical Module Connectors Housing

As an SFP optical module housing industry benchmark, our zinc alloy die-casting technology ensures efficiency and precision for demanding communication equipment.

100g Qsfp-Dd Die Casting Housing for Optical Module

100g Qsfp-Dd Die Casting Housing for Optical Module, Find Details and Price about Aoc Adapter Chassis Aoc Adapter Cover from 100g Qsfp-Dd Die Casting Housing for Optical Module - Shenzhen

High-Precision Die-Cast Aluminum Optical Module Housing with

This high-precision optical module housing is engineered for the next generation of high-speed pluggable transceivers (SFP, QSFP, OSFP). Featuring an integrated heat-sink design with optimized

MSA QSFP Housing Die Casting Zinc Alloy QSFP DD

The MSA QSFP Housing encompasses the physical and mechanical features that house the optical and electrical components of a QSFP module. Its design is

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High-Quality Die-Cast Housing for Optical Module 400g Qsfp Sr8

High-Quality Die-Cast Housing for Optical Module 400g Qsfp Sr8, Find Details and Price about 400g Qsfp Housing and Qsfp Housing from Dongguan Yixiang Precision Co., Ltd. Featuring Customized

Fiber Optic Module Die Cast Enclosure Shield Case

We specialize in precision die-casting components (optical module structural parts, connector housings, aluminum alloy structures, etc.)-supporting small-batch prototyping to mass production (100PCS to

Die Casting Optical Transceiver Housing

With more than 15 years of experience in precision die casting, we focus on providing high-reliability die casting optical transceiver housing solutions for the

Custom Die Casting For Optical Communication | GuangWei

Die casting is used for optical communication components to produce precision parts with complex geometries, such as SFP module housings, optical nodes, and conversion sleeves.

Optical Transceiver Module Die Cast Metal Shell

Optical Transceiver Module Die Cast Metal Shell, Find Details and Price about Optical Transceiver Housing Precision Die Casting from Optical Transceiver Module Die Cast Metal Shell - Dongguan

Custom Die Casting For Optical Transceiver Enclosure Supplier

XFP optical transceiver housing with zinc alloy die-cast construction. Strong structure, reliable EMI shielding, customizable surface finishes for optical communication.

High Precision Optical Communication Module Housing

Manufactured with strict quality control standards, these enclosures provide robust protection, excellent thermal management, and consistent performance for optical transceiver

Precision Die Casting SFP Housing: A Closer Look

The SFP housing is a crucial part of optical transceiver modules used in data communication applications. It provides the mechanical structure and

Custom Precision Die-Cast Aluminum High-Speed Optical Module

Custom precision die-cast aluminum housings designed for high-speed optical modules (CFP/OSFP form factors). Featuring modular snap-fit assembly, full EMI shielding structure, and standard form

Standard Optical Module Die Cast Protective Shell

Standard Optical Module Die Cast Protective Shell, Find Details and Price about Optical Transceiver Housing Precision Die Casting from Standard Optical Module Die Cast Protective Shell - Dongguan

Zamak 5 Die Casting for Ruggedized 800g Optical Transceiver Housing

Zamak 5 Die Casting for Ruggedized 800g Optical Transceiver Housing and Components, Find Details and Price about Osfp 800g Optical Module Case from Zamak 5 Die Casting for Ruggedized 800g

Custom Die Casting Optical Splice Closure Housing

With the Sunrise die casting aluminum alloy optical splicing closure housing, you can ensure efficient operation and long-lasting durability of fiber optic access system while reducing maintenance costs.

Optical Module Die-Cast Housing | Metal Enclosure Parts

Optical module die-cast housing for telecom and networking devices. Durable metal enclosure with precision casting for heat dissipation, protection and stability.

Optical Module Precision Die Casting Frame Housing

Ensure unparalleled performance and reliability for your high-speed optical modules with our custom precision die-cast housings. Engineered for the most demanding data center, telecommunications,

Custom Precision Die-Cast Aluminum QSFP/OSFP Optical Module Housing

This precision-engineered die-cast aluminum housing is purpose-built for high-speed optical communication modules (QSFP/OSFP form factors). Manufactured via high-pressure die casting +

Contact Us

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