Die-casting process for optical module housing

Optical module die castings are created through a high-pressure metal casting process that injects molten metal into precision molds. This results in components with tight dimensional tolerances, ...

We are a professional factory specializing in the design and manufacturing of aluminum die-casting molds and aluminum die-casting items, known for our high-end mold design and competitive pricing.

The optical transceiver housing is manufactured using high-precision zinc alloy die-casting technology, providing excellent electromagnetic shielding, heat dissipation, and structural strength.

Precision die casting ensures that the transceiver housing is manufactured with the utmost accuracy and consistency. During the precision die casting process, molten metal, typically ...

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

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Case studies have demonstrated the successful application of die casting in producing high-quality optical module housing, underlining its effectiveness and reliability in this specialized field.

Our housings are integrally die-cast from aluminum alloy. Focus on controlling the dimensional accuracy of key mating interfaces and the flatness of contact surfaces, and structurally ensure the connection ...

Manufacturing is done using a versatile, efficient high-pressure die casting process that consistently maintains tolerances of ± 0.0005 inches. Typical lead times are 4 to 6 weeks, handling small to large ...

The die-casting process guarantees exceptional consistency and structural integrity, enabling seamless integration with optical modules, electrical circuits, and mounting systems.

Discover how aluminium die casting enhances LED holder housings for durability and precision. Learn more about its benefits and applications at Roots Cast.

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Web: https://www.cgaroofing.co.za