

## Z-block optical module



### Overview

The Z-Block is a core optical component used in wavelength division multiplexing/demultiplexing (WDM) systems. Structurally, it is typically composed of several integrated optical elements, including collimating lenses, rhomboid prisms, and specially designed optical mirrors. These components are. Speed up the assembly of mux/demux components for high-speed optical transceivers with these monolithic Z-blocks that enable a more rapid alignment process. It can be CWDM or LAN-WDM, and the switch only needs to replace the Z-BLOCK component based on TFF.

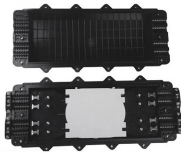
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It can realize multi-wavelength combining or dividing, support 0.5mm, 0.75mm, 1.6mm, 2.0mm and other physical spacing of optical waves, support a variety of uses for different clients, and support ...



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The 400G RX Integrated Optical Assemblies Z-Block is a cutting-edge solution that combines all the optical components on the RX side of high-speed optical transceivers.



Integrated directly into mul -wavelength high speed TOSA/ROSA and transceivers. 1. Customers can have choices of 0.9, 1.0, 1.1, or 2.0mm pitch.



Based on the Z-block technology platform, the assembly and coupling of high-speed optical transceiver modules are greatly simplified. It can be CWDM or LAN-WDM, and the switch only needs to replace ...



Future Optics'' z-block is a passive optical subassembly (POSA) based on our free-space-optics wavelength division multiplexing (WDM) platform to deliver optical mux / demux functionality directly ...



Optiworks'' Z-block CWDM is based on free space TFF technology design with low insertion loss. It has extraordinary optical performance and high reliability.



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Precision-engineered SFP+ optical module with 100Gbps bandwidth, low 0.8dB insertion loss, and intelligent diagnostics. Reduces maintenance costs by 65% in data centers.



Dowell Optical produces Z-Blocks, the core assemblies used in high-speed optical modules of data center, including CWDM Z-Block, MWDM Z-Block, LanWDM Z-Block, and customized according to ...

## Contact Us

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