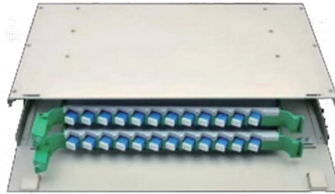


Optical Module CPO Technical Parameters



Overview

ABSTRACT: This Implementation Agreement specifies key aspects and electro-optical-mechanical details of a 3.2Tb/s Co-Packaged Module encompassing optical and copper cable attach formats. It refers to the co-packaging scheme in which the switching chip and optical engine are assembled within the same integrated socket.

Introduction The CPO JDF plans to release three documents focused on different elements of Co-Packaged Optics (CPO): the. To address this, Macom and NVIDIA first proposed Linear-drive Pluggable Optics (LPO) in 2022. With the goal of promoting worldwide compatibility of optical internetworking products, the OIF actively supports and extends the work of national and international standards. CPO, short for Co-Packaged Optics, is a solution that integrates optical modules and switch chips onto the same substrate using advanced packaging technology to achieve electro-optical co-optimization.



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An Introduction To CPO Technology

Figure 1 CPO Co-Packaging In today's conventional packaging, chips and optical modules are packaged separately and then interconnected

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