

Optical Transmission Box Number



Overview

The NSW legislation website is the primary source for NSW legislation. It is managed by the Parliamentary Counsel's Office.

Key Takeaways

An Optical Transmission Box Number uniquely identifies a fiber optic module or distribution box, specifying its type, form factor, optical standard, and application. Understanding Optical Transmission Box Numbers

An Optical Transmission Box Number is a part number or identifier used to distinguish specific optical modules or fiber optic distribution boxes. These numbers are critical for ensuring compatibility with network equipment, medical imaging systems, or telecommunication infrastructure.

Examples and Applications

- **Medical Imaging Systems:** The 453567030072 Rotor Optical Transmitter Box Module (Optical TX Rotor) is designed for Philips Brilliance 64 and 40 CT scanners. This part number identifies a module optimized for high-quality optical signal transmission, ensuring accurate diagnostic imaging and reliable performance in clinical settings .
- **Telecommunication Fiber Optic Boxes:** Fiber optic distribution boxes, such as those from Lapp Group, are identified by part numbers that indicate their capacity, mounting type, and connector compatibility. For example, compact splice boxes can hold up to 8 splicing cartridges or one distribution plate and are lockable for secure installation . RIBE® optical joint boxes for overhead fiber cables are rated IP67 for water and humidity protection, with aluminum housings for mechanical durability .

Interpreting Part Numbers

Optical transmission box numbers often follow a structured format similar to transceiver part numbers:

- **Form Factor:** Indicates the physical type of the module (e.g., SFP, QSFP, or rotor module)
- **Optical Standard:** Specifies the reach and type of optical signal (e.g., SR for short-range, FR for longer distances)
- **Number of Lanes:** Shows how many optical channels the module supports (e.g., 1 lane for SFP, 4 lanes for QSFP-DD)
- **Manufacturer Code:** Sometimes included to identify the producing company. For instance, a transceiver labeled PRE-QSFP56DD-FR4 indicates a Quad-SFP double-density module with 4 optical lanes and a reach of up to 2 km.

Key Considerations

- Always verify the compatibility of the optical transmission box with your system, whether it is a network switch, router, or medical imaging device.
- Check the capacity and connector type for fiber distribution boxes to ensure proper splicing and termination.
- Part numbers may also encode environmental ratings (e.g., IP67) and mechanical protection features for outdoor or industrial applications. In summary, the Optical Transmission Box Number serves as a precise identifier that conveys the module's type, optical capabilities, and intended application, helping technicians and engineers select the correct component for installation or replacement.

Article Content

Box, COB, and TO Can: 3 Common Packaging Forms

Box, COB, and TO can are currently the most prevalent packaging forms for optical components.

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Optical Zonu Corporation (or “OZC”) is a privately owned, Los Angeles-based designer and manufacturer

Module, Optical TX, Rotor PN: 453567030072 PHILIPS

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OptiX OSN 1800 OTN Platform — Huawei Enterprise

The Huawei OptiX OSN1800 is a series of box architecture Multi-Service Optical Transport Network (MS-OTN) transmission

SDA OCT Standard v4

The OISL Standard has been renamed the Optical Communications Terminal (OCT) Standard due to its applicability to

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Optical Termination Box

The Optical Termination Box (OTB) consists of three sections: the Pigtail and Cable Inlet, the Splice Tray, and the Patch Cord

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COB, BOX, and TO-CAN packaging impact optical devices by balancing size, cost, and reliability. Learn how COB

Optical Termination Box (OTB)

Optical Termination Box (OTB) is FTTx box which is used to patch and splice upto 12 fibers. It can handle

FTTH Components and General Architecture

Service boards provide 8 or 16 GPON ports depending on the model and vendor. Each GPON port serves up to 64

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In the fast-paced world of telecommunications, data transmission has become a critical

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101 Guidelines for Fiber Termination Box

Fiber termination box (FTB), also known as optical terminal box (OTB), generally refers to a distribution box specially

What You Need to Know About Fiber Terminal Box

It provides a centralized location for connecting optical fibers to other network elements such as switches, routers, or

The Ultimate Guide To Choosing The Right Fiber Termination Box For

On the other hand, the other end connects the optical transceiver modules or fiber optic converter to form an optical

All You Need To Know About Fiber Termination Boxes: Installation

A multi-mode optical fiber cable is commonly used for short-distance transmission. This cable has a larger core

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Optical cable terminal box and optical fiber distribution box

The optical cable terminal box is a box where both ends of the optical fiber network are prepared to directly divide

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GSEA

Overview Gene Set Enrichment Analysis (GSEA) is a computational method that determines whether an a priori defined set of genes

Telecommunications media

Telecommunications media - Optical Transmission, Light Signals, Fiber Optics: Optical communication

CCL Optoelectronics | Optical Termination Boxes

Optical Termination Box (OTB) is a multi-purpose termination point in FTTx applications for end distribution network by providing

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Durable optical terminal boxes designed for FTTH networks. Ensure neat cable management, secure connections, and fast

What is an Optical Terminal Network and Why Do I Need It?

What is an Optical Network Terminal (ONT)? You'll typically find an Optical Network Terminal (ONT), or fiber box, in a

Fiber Termination Box Overview. Fiber termination box (FTB ...

Fiber termination box is universally used in telephone, agricultural telephone network system, data and image

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Durable FTTH Terminal Box | Fiber Termination Enclosure for Safe ...

The FTTH Terminal Box serves as a compact fiber termination enclosure for residential and enterprise optical networks. It

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