Optical Module Pull Ring Material

Article Overview

Optical module pull rings are commonly made from titanium alloys or ultra-thin stainless steel/specialty alloys.

Titanium Alloy Pull Rings

Many modern optical module pull rings are manufactured from titanium alloys, including types such as TA1, TA2, TC4, and TC21. These alloys are chosen for their high specific strength, corrosion resistance, non-magnetic properties, and wide temperature tolerance, making them suitable for repeated use without deformation or fading. The titanium pull rings are typically formed in one step through a metal wire bending process, and their surfaces can be anodized or electroplated to attach fixed colors for wavelength identification in optical modules .

Stainless Steel and Specialty Alloy Pull Rings

In high-speed production environments, such as for 5G optical modules, pull rings are often stamped from ultra-thin stainless steel or specialty alloy strips. These materials provide high tensile extraction strength, precise dimensional tolerances, and burr-free edges, which are critical to prevent damage to delicate fiber optic cables and ensure safe handling during installation .

Functional Considerations

The choice of material affects not only mechanical durability but also color coding for wavelength identification. Titanium pull rings can be anodized to display different c...

Article Content

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Meaning of Optical Module Pull Tap Colors

4. 10G SFP+ Optical Module Pull Ring Colors 10G SFP+ red pull tab = ER 40km, white pull tab = ZR 80km; this color

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A pull ring unlocking structure of an optical module

The utility model provides a pull-ring unlocking structure of an optical module, which integrates an upper cover and a sliding block

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Retaining Rings

Depending on the size needed, these retaining rings are available in one or more of the following types: standard black anodized

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How To Identify The Wavelength Of SFP CWDM Optical Module

This blog ETU-LINK will show you how to identify the wavelength of CWDM optical module through the color of the

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CN120871356A

The invention provides a pull ring structure for an optical module and a use method thereof, comprising a detachable pull ring and an

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SFP optical module

The composition of the SFP optical module is: Laser (including transmitter TOSA and receiver ROSA), circuit board

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CN111158093A

The application discloses pull ring unlocking structure of optical module, this pull ring unlocking structure include base, upper cover

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Introduction To Two Common Unlocking Mechanisms For Optical Modules

SFP optical modules generally support hot-plugging, which requires an unlocking operation when inserting or removing the module

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Optical Module Housings Guide

Discover the role of optical module housings in data centers & 5G. Learn about materials like ceramics & alloys,

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Titanium alloy optical module pull ring

A titanium alloy optical module pull ring is made of a titanium alloy metal material, and the surface of the pull ring is adhered with a

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SFP Pull Ring Rectangular Blue | Optical Module Accessory

Rectangular blue SFP pull ring for optical modules. Durable, easy-grip design ensures quick installation and removal with reliable

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COMOSS Fiber Optic Module Pull Tabs Optimize Your System

The pull tabs can be customized in different sizes, shapes, colors, and even special materials according to your

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Optical module using pull tab for unlocking

The optical module is applicable to a photoelectric module for limiting the maximum height after rotation of the pull tab (1), and is

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Pull ring and optical module

An optical module and rotating rod technology, applied in the field of optical communication, can solve the problems of user

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QSFP Optical Module Blue Pull Tab Metal Bail Assembly

This QSFP optical transceiver pull tab bail assembly consists of precision stamped stainless steel bail and high

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Introduction of SFP Optical Module| Four-Faith

If the bare module is not marked, it is easy to be confused. Generally, manufacturers will distinguish the color of the

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Meaning of Optical Module Pull Tap Colors

The color of the optical module pull tap is not just for aesthetics. Its core function is to quickly identify the module''s

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SFP Metal Pull Ring | Optical Module Accessory

SFP metal pull ring for optical modules. Durable stainless design ensures secure grip, easy installation and removal with long-lasting

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Meaning of Optical Module Pull Tap Colors

In the complex network world of data centers, optical modules play a crucial role, efficiently converting electrical and optical signals to

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Optical module pull ring and optical module

The utility model discloses an optical module pull ring and optical module, optical module pull ring be including handheld portion and

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Optical module pull ring and optical module

Another object of the present invention is to provide an optical module, which includes the optical module pull ring. Therefore, the

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Optical Module Pull Ring Custom Silicone 304 Zinc Alloy 40g 100g

Optical Module Pull Ring Custom Silicone 304 Zinc Alloy 40g 100g Pull Ring, Find Details and Price about Custom Pull Ring from

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5G Optical Module Pull Ring Stamping Line: High-Speed Setup

Discover the mechanical engineering behind a high-speed 5G optical module pull ring stamping line. Learn how

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How to Identify Optical Transceiver Wavelengths by Pull-Tab Color

One key method of visual identification is the color of the transceiver''s pull tab, which corresponds to its wavelength.

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How to Distinguish the Wavelength by the Color of the Pull Ring of the ...

CWDM optical module, the color of its pull ring is colorful. There are 18 wavelengths in total, and the band is divided into prewave

Contact Us

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