OP720

Optical Switch

Overview

Optical Switch

The **OP720** is an optical switch for single mode or multimode applications available in a slim-line, ultra-compact frame. This optical switch is USB powered and incorporates the latest technology in high-speed switching. With high repeatability and low loss, the **OP720** is ideally suited for high channel count optical devices such as DWDM, waveguides, and splitters. Paired with our **OP940** Return Loss Meter and the OPL Software Suite, insertion and return loss (IL/RL) can be measured accurately and efficiently on multifiber devices.

Note: *The OP720 can also be produced with up to 144 channels upon request.*

Model OP720-SM-24 Optical Switch

Features

- Compact, slim-line, ultra thin all optical switch
- MEMS technology, high reliability, long life
- USB powered, no external power supply needed
- Bright organic OLED for channel display
- Interface to custom applications via OPL-SDK
- High speed USB Interface for communication
- 2x2 configuration available for bi-directional testing

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LASER COMPONENTS®

SPECIFICATIONS

OP720	Single Mode - SW	Multimode - SW
Channel Count	2 to 24 output	
Internal Fiber	SMF28, 9/125	50/125 OR 62.5 /125
Insertion Loss	<1.2dB*	
Repeatability	± 0.003dB	
Switching Time	1 msec	
Crosstalk	>50dB	
Optical Interface	ST, FC, SC, LC (other upon request)	
Power for channel counts 2 to 24	USB (less than 0.1Amps)	
Power for channel counts over 24	Power Cable 90VAC .. 264VAC 47Hz to 63Hz 0.7Amps(115VAC) 0.4Amps(230VAC) Fuse: T1A, 250V	
Dimensions for channel counts 2 to 24	19" x 1.75" x 12"	
Dimensions for channel counts over 24	19" x 7" x 20"	

* Insertion Loss for channel counts ≤4; larger channel counts will have more loss.

Laser Classifications

All **OP940 Insertion Loss and Return Loss Test Sets** utilize a **Class I Laser Source**. Unless otherwise noted, all **OP250**, **OP715**, and **OP750** source units with internal laser sources utilize a **Class I Laser Source**. Unless otherwise noted, all **OP815** and **OP850 Insertion Loss Test Sets** with internal laser sources utilize a **Class I Laser source**. All **OP280 Visual Fault Finder** units utilize a **Class III Laser Source**.

OptoTest strongly suggests that all necessary precautions be taken whenever any Class I or Class III laser source is used.

Specifications are subject to change, please confirm specific performance characteristics of the product at the time of ordering.
All specifications are valid within temperature range of 18°C to 24°C unless otherwise noted.

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