FIBER OPTIC SWITCHES

Features

• Multiple fiber or device testing capability
• Standard unit comes with single mode fiber for 1250–1670 nm. Other options are also available upon request
• Wide range of available wavelengths
• Touch screen display
• High resolution
• Fast switching time
• High repeatability

Applications

• Optical network monitoring
• Fiber based sensors
• Quality control
• End-to-end loss measurement

Product Description

OZ Optics now offers turnkey rack mountable optical switches with built-in electronics and color touch screen. The switch is offered in a 1x4 to 1x36 configuration. It can be customized with 2 independent optical switches in one rack mount. The standard units are configured with 9/125 um SM fiber for broad operating wavelengths covering 1250 nm to 1670 nm. These switches are built using mature and highly reliable MEMS technology, achieving a low insertion loss and high channel isolation. The switches have been tested over millions of switching cycles with no change in losses. They are ideal for test instruments. Systems come with a USB interface port. Systems with polarization maintaining fiber or multimode fiber can be offered on a case-by-case basis using different mechanical switch technologies. Contact OZ Optics with your specific product requirement.
Part Number  | FOS-1000-U-1xN-X-W-a/b-F
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U =  | 1 or 2: Number of independent switch modules
N =  | 4, 8, 12, 16, 24, 32, or 36: Number of channels per module. Note: Switches are bi-directional.
F =  | Fiber type: S-SM, P-PM, M-MM
a/b =  | Fiber Core/Cladding (μm)
W =  | Wavelength
X =  | Connector type on each port: FC/SPC = 3S, FC/APC = 3A, FC/UPC = 3U

FOS-1000-U-1x12-3A-1550-S

Description: Rackmount Optical Switch, with two banks of 1x12 1550 nm singlemode mode optical switches with 9/125 um SMF28 fiber terminated with FC/APC connectors on device front panel.