

MEMS Optical Switch



Product Introduction

MEMS OSW is based on micro-electro-mechanical system (MEMS) technology, which achieved low insertion loss and highly repeatability by rotating the mirror of MEMS chip. The components are small size, fast speed and good stability. Also Accelink offers other components to integrate to form a module.

Features

- Compact package
- Fast switch speed
- High stability

Applications

- Network monitoring and switching
- MCS
- OTDR

Standards

- Telcordia GR-1073-CORE
- RoHS

Specifications

Parameter	Unit	Specifications
Insertion Loss	dB	≤1
Return Loss	dB	≥50
Repeatability	dB	≤0.1
Crosstalk	dB	≥50
Polarization Dependence Loss	dB	≤0.15
Wavelength Dependence Loss	dB	≤0.3
Temperature Dependence Loss	dB	≤0.3
Switch Time	ms	≤20
Durability	cycle	≥10 ⁹
Maximum optical Power	mW	≤500

Ordering Information

OSWM- □-□-□-□-□-□-□

Interface: MS1:TTL/I2C, MS2: TTL/RS232, MS3: TTL/I2C/RS232

Connector: 00: no connector, LC/APC, LC/UPC, SC/APC, SC/UPC

Fiber Length: 1:1m、 Customer specify

Fiber Type.: 025: Φ 0.25mm, 09: Φ 0.9mm

Fiber Mode: S: Single mode

Wavelength: 1550: 1525~1565nm, 1610:1610-1650

Channel : 14:1x4, 18:1x8, 112:1x12, 116:1x16

