

MEMS Optical Switch

MEMS Optical Switch is based on micro-electro-mechanical system (MEMS) technology and is mainly used in optical cross and connection (OXC) system, optical add/drop system, measure instrument system and optical signal monitoring system. The products are Telcordia GR-1221-CORE qualified and RoHS compliant.



Applications

- OLP
- DWDM networks
- Network monitoring and switching
- Instrumentation resource sharing

Features

- Compact size
- Fast switch speed
- High Stability and Reliability

SPECIFICATION

| Parameters | Unit | Value | Notes |
|------------------------------|-------|--------------------|------------------|
| Wavelength | nm | 1525~1570 | customer specify |
| OSW Channels | | ≤32 | customer specify |
| Insertion Loss | dB | ≤1.2 | @CWL,23°C |
| Return Loss | dB | ≥40 | |
| Repeatability | dB | ≤0.1 | |
| Crosstalk | dB | ≥40 | |
| Polarization Dependence Loss | dB | ≤0.2 | |
| Wavelength Dependence Loss | dB | ≤0.3 | @CWL±20nm, 23°C |
| Temperature Dependence Loss | dB | ≤0.4 | |
| Switch Time | ms | ≤30 | |
| Durability | cycle | ≥1x10 ⁹ | |
| Maximum optical Power | mW | ≤500 | |
| Package | mm | φ5.5×42 (max) | |