

Optical protect switch



Product Introduction

Optical protect switch is based on free-space. It used to monitor the optical power of two optical source ports, and transmit its sample value to host board via I2C interface. Host board controls the optical switch through the electrical interface directly.

Features

- Compact structure
- Wide operating wavelength range
- Low IL
- High stability and reliability

Applications

- Optical Line Protection

Standards

- Telcordia GR-1312-CORE
- RoHS

Specifications

PARAMETER	Unit	Specifications		
		MIN.	TYP.	MAX.
Operating Wavelength Range	nm	1260 ~ 1650		
Tap Coupler Ratio	%	1		
Insertion Loss	dB			1.5
Crosstalk	dB	60		
PDL	dB			0.15
Return Loss	dB	45		
Optical Switch Repeatability	dB			±0.05
Handle Optical Power	mW			500
Optical Switch Durability	Cycle	1x10 ⁷		
Optical Switch Voltage	V	4.75		5.25
Optical Switch Current	mA			40

Optical Switch Time	ms			10
Optical Power Detect Range	dBm	-10		+21
Optical Power Detect Precious	dB			±0.6

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: Φ0.25mm, 09: Φ0.9mm
- Fiber Mode: S: Single mode
- Wavelength: 1550: 1525~1565nm、 1610:1610-1650
- Channel : 14:1x4, 18:1x8, 112:1x12, 116:1x16

