

Optical Switch (1x1,1x2)

| | |
|---|--|
| Features | |
| Low Insertion Loss High crosstalk Compact package | |
| Application | |
| OXC, OLP, ROADM Wavelength switch of testing system Channel switch of optic sensor system | |

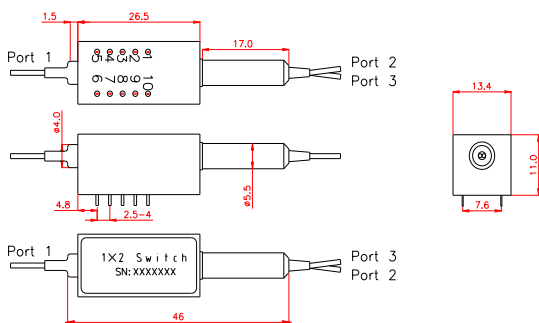
Specifications

| Parameter | Value | |
|----------------------------|--------------------------|---------------|
| Port Type | 1x1, 1x2 | |
| Band | Single Band | Dual Band |
| Wavelength (nm) | 1310 or 1550 | 1310/1550 |
| Insertion Loss (dB) | ≤0.5(Typ 0.4) | ≤0.7(Typ 0.5) |
| Cross Talk (dB) | ≥55 | ≥55 |
| Return Loss (dB) | ≥55 | ≥55 |
| Repeatability (dB) | ±0.05 | |
| Switch Time (ms) | 10 | |
| Lifetime (cycle) | >1,000,000 | |
| Switch mode | Latching or Non-latching | |
| Operating Temperature (°C) | -15 ~ +70 | |
| Storage Temperature (°C) | -40 ~ +85 | |
| Drive Voltage (V) | 5 ±0.5 DC or 5V Pulse | |
| Work Current (mA) | < 50 | |
| Fiber Type | SMF-28e | |
| Dimension (LxMxH) (mm) | (L)26.5×(W)13.4×(H)11 | |

Electrical Drive

| Optical Path | Electrical Drive | | Status Sensor | | | | | |
|--------------|------------------|----------|---------------|------|--------|--------|--------|--------|
| | Pin1 | Pin10 | Pin5 | Pin6 | Pin2-3 | Pin3-4 | Pin7-8 | Pin8-9 |
| 1-2 | +V Pulse | GND | N/A | N/A | open | close | close | open |
| 1-3 | GND | +V Pulse | N/A | N/A | close | open | open | close |

Package Dimension



Ordering Information

| OSW | Type | Wavelength | Mode | Pigtail Type | Fiber Type | Length | Connector |
|-----|------------|--|------------------------------|--|-------------------------------------|--------|---|
| | 1x1 1x2 | 85=850nm 13=1310nm 15=1550nm 1315=1310/1550 | L=Latching N=Non-Latching | 250=250um bare fiber 900=900um loose tube | 1=SMF-28e 2=50/125 3=62.5/125 | 1= 1m | NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other |