

1064nm1X2 PM Optical Switch

| | |
|--|--|
| Features | |
| High Extinction Ratio Low Insertion Loss Latching or Non-Latching Type | |
| Application | |
| Optical Cross and connection system Fibre sensor | |

Specifications

| Parameter | 1X2 |
|---------------------------|----------------------------|
| Wavelength (nm) | 1064 |
| Bandwidth(nm) | ±20 |
| Insertion Loss (dB) | ≤1.2 (Typ 0.8) |
| Extinction Ratio(dB) | ≥20 |
| Cross Talk(dB) | ≥55 |
| Return Loss (dB) | ≥55 |
| Repeatability(dB) | ≤±0.05 |
| Switch Time(ms) | ≤10 |
| Durability(cycle) | ≥10 ⁷ |
| Switch mode | Latching or Non-latching |
| Operating Temperature(°C) | -5 ~ +75 |
| Storage Temperature(°C) | -40 ~ +85 |
| Drive Voltage(V) | 5 ±0.5 |
| Optical Power | <500 |
| Fiber Type | Panda fiber |
| Dimension (LxMxH) (mm) | (L)26.5×(W)13.4×(H)11 (P2) |

*IL is 0.3dB (1310~1550nm), RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis

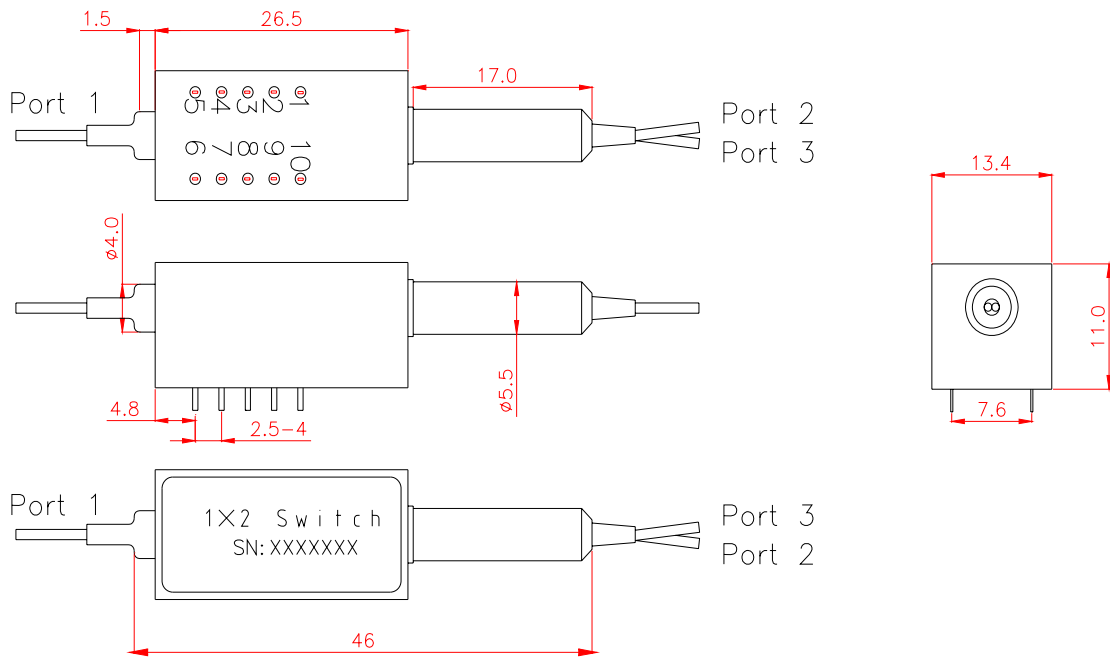
Electrical Drive(Latching Type)

| 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 |

Electrical Drive(Non-Latching Type)

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

| PMOSW | Type | Wavelength | Mode | Pigtail Type | Fiber Type | Length | Connector |
|-------|------|----------------------------|------------------------------|--|------------------|--------------|--|
| | 1x2 | 1310=1310nm 1550=1550nm | L=Latching N=Non-Latching | 250=250um bare fiber 900=900um loose tube | 5=Panda Fiber | 0.8=0.8 m | NE=None FC=FC/UPC SC=SC/UPC FA=FC/APC SA=SC/APC ST=ST/UPC LC=LC/UPC xx=Others |