

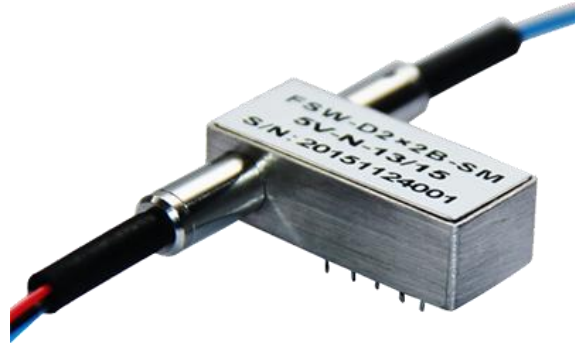
D2×2B Mechanical Optical Switch

Features

- Low Insertion Loss
- Wide Wavelength Range
- Low Crosstalk
- High Stability, High Reliability
- Epoxy-free on Optical Path
- Latching and Non-latching

Application

- R&D in Laboratory
- System Monitoring
- Configurable OADM
- MAN (Metropolitan Area Network)



Performance:

| Model | Unit | GZ-FSW-D2x2B | |
|---|------|---|-----------|
| Operatingwavelength | nm | 850±40/1300±40 | 1260~1620 |
| wavelength | nm | 850&1300 | 1310&1550 |
| Insertion loss | dB | Typ:1.0 Max:1.5 | |
| Return loss | dB | MM≥30 | SM≥50 |
| Cross talk | dB | MM≥35 | SM≥55 |
| PDL | dB | ≤0.05 | |
| WDL | dB | ≤0.25 | |
| TDL | dB | ≤0.25 | |
| Repeatability | dB | ≤±0.02 | |
| Voltage | v | 3.0 or 5.0±0.5 | |
| Operating life | Time | ≥10 ⁷ | |
| Switch time | ms | ≤8 | |
| Power handling | mW | ≤500 | |
| Operating temperature | °C | -20~+70 | |
| Storage temperature | °C | -40~+85 | |
| Fiber color | | P1、P1': Black P2、P2': Red P3、P3': Blue P4、P4': White | |
| Size | mm | 27.0×12×8.2 | |
| Note: 1 Within operating temperature and SOP. 2 Excluding Connectors. | | | |

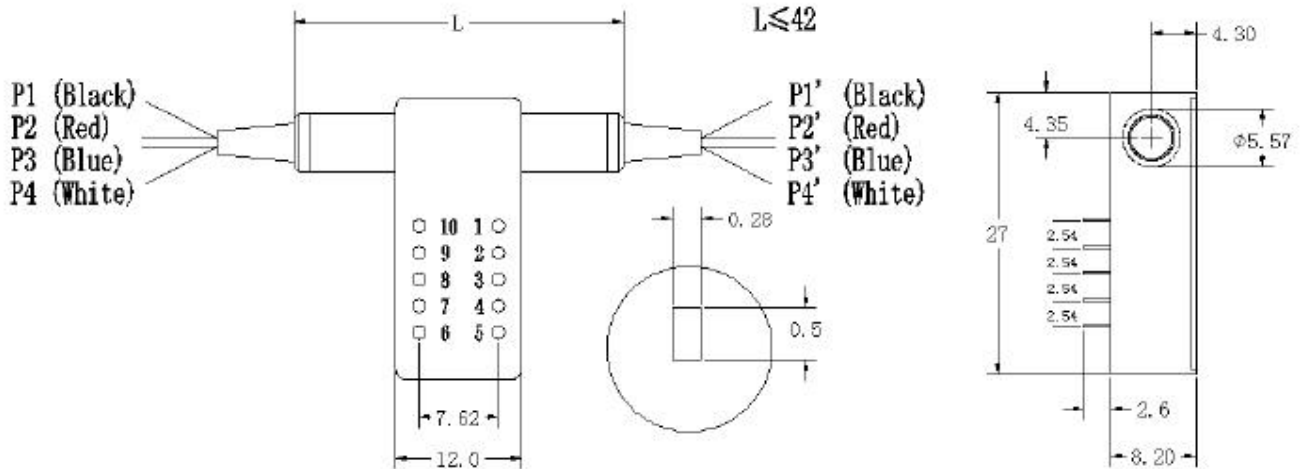
Pin Definition:

| Type | State | Pin definition | Power | | | | Condition monitoring | | | |
|----------|-------|----------------|-------|-----|-----|-----|----------------------|-------|-------|-------|
| | | | 1 | 5 | 6 | 10 | 2-3 | 3-4 | 7-8 | 8-9 |
| D2x2B | A | P1-P3' | -- | -- | -- | -- | Close | Open | Open | Close |
| | | P2-P4' | | | | | | | | |
| | B | P1-P1', P2-P2' | V+ | -- | -- | GND | Open | Close | Close | Open |
| | | P3-P3', P4-P4' | | | | | | | | |
| Latching | A | P1-P3' | -- | -- | GND | V+ | Close | Open | Open | Close |
| | | P2-P4' | | | | | | | | |
| | B | P1-P1', P2-P2' | V+ | GND | -- | -- | Open | Close | Close | Open |
| | | P3-P3', P4-P4' | | | | | | | | |

Path Diagram:



Production Size:



Order Information:

| Wavelength | Operating Voltage | Fiber Type | Tube Type | Fiber Length | Connector |
|----------------|---------------------|---------------|-----------|--------------|------------------|
| 0850—850 | 3L—3v, latching | 1—SM | 1—250um | 05—0.5m | 0—None Connector |
| 1315—1310&1550 | 5L—5v, latching | 2—MM 62.5/125 | 2—900um | 10—1m | 1—FC/PC |
| | 3N—3v, Non-latching | 3—MM 50/125 | | 15—1.5m | 2—FC/APC |
| | 5N—5v, Non-latching | | | 20—2 m | 3—SC/PC |
| | | | | | 4—SC/APC |
| | | | | | 5—LC/PC |
| | | | | | 6—LC/APC |