## 与W1TCHES

## M■M5 ロN－ロғF БWITCH

DiCon＇s MEMS On－Off Switch is based on a micro－electro－ mechanical system（MEMS）chip．The MEMS chip consists of an electrically movable mirror on a silicon support．A voltage applied to the chip causes the mirror to rotate，which changes the coupling of light between the input and output fibers of the MEMS On－Off Switch．


Cylindrical Package

## FE円TURES

－Small On－Off Switch package
－Ultra low current consumption
－Available in opaque or transparent versions
－Qualified to GR－1221
－Available in both cylindrical and 14－Pin DIP package

## 円คャレIC円TIロNS

MEMS On－Off Switches are used for distributed power equalization within OADMs，MUX／DMUXes，Band Equalizers，Channel Equalizers， Optical Cross－Connects，Line Cards and Transponders．MEMS On－Off Switches can also be used for gain tilt and input power adjustment in erbium－doped fiber amplifiers．

## ロャtical 与ャECIfIC円TIロNS ${ }^{1,2}$

| Insertion loss | 0.8 dB max． |
| :--- | :--- |
| Temperature dependence $^{3}$ | 0.3 dB max． |
| Flatness | 0.1 dB max． |
| PDL | 0.1 dB max． |
| PMD | 0.05 ps max． |
| Back－reflection | -50 dB max． |
| Optical power | 500 mW max． |
| Switching time | 5 ms max． |
| Repeatability | 0.1 dB max． |
| Wear－out | $1 \times 10^{9}$ cycles min． |
| Fiber type | $9 / 125$ single mode fiber |
| Operating temperature | $-5^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$ |
| Storage temperature | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |

1．All specifications referenced without connectors．
2．Relative to $23^{\circ} \mathrm{C}$ ．
3．Over operating temperature．

ロRロERING 1NFロRMATION


| 1 | 1 meter |
| :--- | :--- |
| $X$ | Specify $X$ meters |

1．Minimum insertion loss＠OV
2．Minimum insertion loss＠5V
3．Connector Types：FC／UPC，SC，SC／APC，SC／UPC，LC，LC／UPC，MU／UPC

## HaUsing Dimensions

Cylindrical Package


14－pin DIP Package


