## MEMS ON-OFF OPTICAL ARRAY SWITCH

DiCon's MEMS On-Off Array Optical Switch allows precise control of up to 5 On-Off optical switches all through a single control interface, and housed in a compact housing. The On-Off switches can be controlled individually or synchronously. DiCon's MEMS On-Off Optical switch has one input and one output fiber and provides the ability to turn on or off the optical signal passing through it.


## FEATURES

- High Reliability
- Proven MEMS Technology
- Lifetime > 1 Billion Switch Cycles
- Controls up to 5 MEMS On-Off Optical Switches


## APPLICATIONS

- Simulate Cutting of Fiber Optic Cables
- Secure Optical Communication
- Test \& Measurement


## MEMS ON-OFF OPTICAL ARRAY SWITCH

| OPTICAL SPECIFICATIONS $^{1}$ |  |
| :--- | :--- |
| PARAMETER | RATING |
| Insertion Loss $^{2}$ | 0.8 dB max. |
| Back Reflection | -50 dB max. |
| Switching Time | 30 ms max. |
| TDL | 0.30 dB max. |
| WDL $^{3}$ | 0.20 dB max. |
| PDL $^{\text {Repeatability }}{ }^{4}$ | 0.10 dB max. |
| Durability | 0.05 dB max. |
| Optical Power | $10^{\circ} \mathrm{cycles}$ min. |
| Operating Temp | 500 mW max. |
| Storage Temp | -5 to $70^{\circ} \mathrm{C}$ |
| Fiber Type | -40 to $85^{\circ} \mathrm{C}$ |

1. Specifications are without connectors.
2. IL is measured at CWL, $23^{\circ} \mathrm{C}$. In "ON" State.
3. WDL is measured in a $+/-20 \mathrm{~nm}$ range at $23^{\circ} \mathrm{C}$.
4. Repeatability is defined after 100 cycles.

## MECHANICAL DIMENSIONS

(Units: mm)


Side View


