Custom High-Speed **Lithium Niobate** Electro-optic Switches

\[ \lambda = 1550\text{nm}; \text{ Please call for other } \lambda : 2000^+, 1700, 1300, 1060, 980, 850, 700\text{nm} \]

**Ultra-High-Speed** (sub-nanoseconds) **1x2, 2x2 Optical Switches/Modulators**
- Insertion Loss < 4.0 dB, (< 2.5 dB option )
- Switching Voltage < 15V
- Crosstalk < -18 dB
- Capacitive electrode (C~30pF), Switching Time < 10 ns.

**Single Polarization (SP) or Polarization Independent (PI)**

**Single Polarization (SP) version:**
- Insertion Loss < 5 dB, (< 3.5 dB option )
- Switching Voltage < 15V
- Crosstalk < -20 dB
- Capacitive electrode (C<25pF), Switching Time < 10 ns.

**Polarization Independent (PI) version:**
- Insertion Loss < 4.0 dB, (< 2.5 dB option )
- Switching Voltage < 15V
- Crosstalk < -18 dB
- Capacitive electrode (C~30pF), Switching Time < 10 ns.

**1x8 (8x1) Switch-Array Module**
- Single Polarization version: Insertion Loss < 4.0 dB, (< 3.5 dB option )
- Crosstalk < -20 dB
- Capacitive electrode (C<25pF), Switching Time < 10 ns.
- Polarization Independent version (please call)

**Compact, High-speed 8x8 Switch-Array Module**
- Strictly Non-Blocking
- Double-Stage Crosstalk-Suppression

**Custom: Large-scale Switch Module-examples**
- Programmable, 4-bit (binary)
- Optic Time-Delay Switch Module