Electro-optical crystal optical switch 1X2

Product Description:

The electro-optic crystal optical switch adopts an all-solid-state crystal design and works based on the principle of electro-optic effect. The switching process of the optical circuit does not involve any mechanical moving parts. It has ultra-fast switching speed in nanoseconds and better stability and reliability. The optical circuit of the device is reversible. .

Features:

- Low insertion loss
- Typical switching speed≤100ns
- Transparent transmission of signals
- High stability and high reliability

Parameter:

Parameter	Unit	Index
Working wavelength	nm	1525~1575
Test wavelength	nm	1550
Insertion loss（1）	dB	Typ: 0.6 Max: 1.0
Return loss（1）	dB	> 45
Crosstalk	dB	＞20
PDL	dB	<0.3
TDL	dB	<0.5
Operating Voltage	V	5.0
Lifetime	Cycles	$> 10^{14}$
Switching Time	ns	Typ: 100 Max: 300
Maximum optical power（2）	mW	<300
Operating Temperature（3）	°C	-5 ~ +70
Storage Temperature	°C	-40 ~ +85
Relative humidity	%	5 ~ 95
Dimension	mm	(L)68.0x(W)8.5x(H)6.5 ±0.2
Remark：（1）Tested within the operating temperature range and without connectors; （2）Support up to 5W customization ; （3）Support -40~85 customization。		

Tip: The above are the commonly used optical switch parameters, if you have other requirements, you can consult and customize。

Pin driver:

Optical Route	TTL
Port1--->Port2	L (< 0.8V)
Port1--->Port3	H (> 3.5V)

Dimension：