

2x2 Bypass Mechanical Switch

Description:

The mechanical series optical fiber switches are designed on transmission optical principle. The Prism and relay are the main parts in the optical principle. It's widely used for OADM system, OXC, Monitor system and experience.



Features:

1. Wide band operation
2. Low insertion loss & PDL
3. High cross talk
4. High stability and reliability
5. Path without epoxy

Application:

1. OADM
2. WAN
3. Laboratory
4. Monitor & detection

Performance:

Parameter	Units	SPEC.
Operating wavelength	nm	1260~1620
wavelength	nm	1310&1550
Insertion loss	dB	Typ:0.8 Max:1.0
Return loss	dB	Sm \geq 50
Cross talk	dB	Sm \geq 55
PDL	dB	\leq 0.05
WDL	dB	\leq 0.25
TDL	dB	\leq 0.25
Repeatability	dB	\leq \pm 0.02
Voltage	v	3.0 or 5.0 (+/-0.5)
Operating life	Time	\geq 10 ⁷
Switch time	ms	\leq 8
Powerhandling	mW	\leq 500
Operating temperature	°C	-20~+70
Storage temperature	°C	-40~+85

V.TORCH

Power Port	/	4 Pin
Size	mm	27x12x8.0

Notes:The insertion loss above excluding the insertion loss for the connectors

Pin Definition:

Type	Pin Definition	Power				Condition monitoring			
		1	5	6	10	2-3	3-4	7-8	8-9
VTBMSW-12	P1-P2	--	--	--	--	Close	Open	Open	Close
	P1-P4, P2-P3	V+	--	--	GND	Open	Close	Close	Open
Latching	P1-P2	-	--	GND	V+	Close	Open	Open	Close
	P1-P4, P2-P3	V+	GND	--	--	Open	Close	Close	Open

Production Size:

