

Switch Module

Description:

The mechanical series fiber optical 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.



Features:

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

Application:

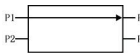
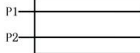
1. OADM
2. WAN
3. Laboratory
4. Monitor & detection

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	$S_m \geq 50$
Cross talk	dB	$S_m \geq 55$
PDL	dB	≤ 0.05
WDL	dB	≤ 0.25
TDL	dB	≤ 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	≤ 8
Power handling	mW	≤ 500
Operating temperature	°C	-20~+70
Storage temperature	°C	-40~+85
PowerPort	/	4Pin
Size	mm	55×30×13

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

Pin Definition:

Type	Pin Definition	Power		Monitoring		Optical Patch	
VSM-22		1	2	3	4	Bypass	Full Type
No-latching	P1—P3 (P2—P4)	--	--	Close			
	P1—P4 P2—P3	V+	GN D	Open			

Production Size:

