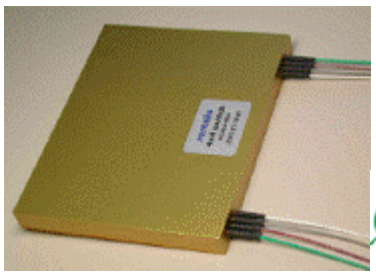
4x4 MEMS Optical Switch



The Fiberer's 4x4 mems optical switch is a very fast opto-mechanical switch based on the latest silicon MEMS technology and uses micro-mechanical mirrors to redirect the light. The switch is built by cascading 1x2 and 2x2 submodules which are qualified according to Telcordia GR1221.

Features

High reliabilit
Low insertion loss
strictly non-blocking architecture
Latching or non-latching

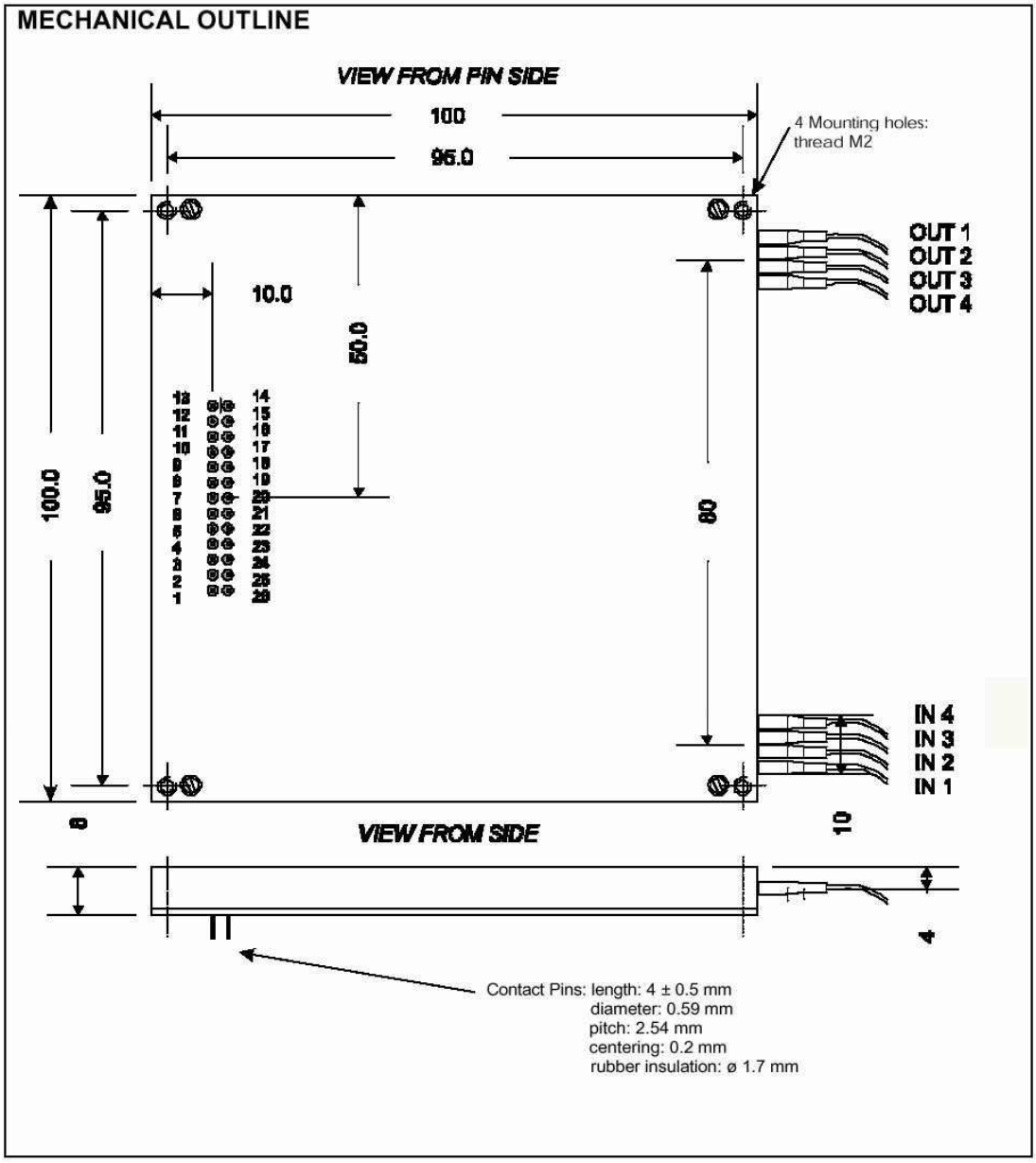
Applications

Optical Reconfiguration
Instrumentation
Test and Measurement

Spec and Parameter-Single-mode

Parameter	Value
Wavelength range	1250~1650nm
Insertion loss	typ.1.0dB,max 2.0dB
Return loss	>=50 dB
Polarization dependent loss	typ.0.07dB, max. 0.15dB
Cross talk	typ.65dB, max. 55dB
Switch speed	<0.5ms, max 1ms
Durabilit	>1billion
Operating Voltage	5+/-0.25 VDC
Power Consumption	typ 75mW, max 200mW
Operation temperature	0~70 C
Storage temperature	-40~85
Size (L x W x H)	100 x 100 x 8mm

Pictures



Information of Order to Provide

MSW	Switch channel	Latching or Non-Latching	Fiber Type	Fiber Length	Connector
	22=2x2	L=Latching	S9=SMF 900um	1=1.0m	NE=None
	44=4x4	N=Non-Latching	M5=MMF 50/125/900um	2=2.0m	FA=FC/APC
	88=8x8		M6=MMF 62.5/125/900um		FC=FC/PC
					SA=SC/APC
					SC=SC/PC
					ST=ST/PC
					LA=LC/APC
					LC=LC/PC
					XX=others