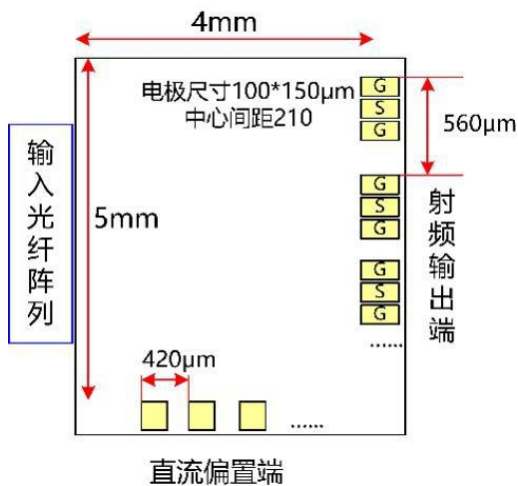


工作湿度范围 Operating humidity range	%		+65	
芯片尺寸 Chip Dimensions	mm	4(L)×5(W)×0.5(H)		



【订货信息 Ordering information】

ZG	波长 Wavelength	通道数 Number of channels	类型 Type
	13=1310nm 15=1550nm	1=1CH 4=4CH 8=8CH 16=CH 48=48CH XX=other	1=光电探测器 1=PD 2=光混频器 2=Mixer XX=other

SOI 芯片可调光滤波器阵列

SOI Chip-based Tunable Optical Filter

SOI 芯片式可调光滤波器阵列，该产品基于硅基热调谐微环结构，光滤波器的中心波长和隔离度可调，实现了多通道光滤波器的单片集成，通过特殊设计实现了偏振无关特性，光电封装，数字化驱动。

Chip-based multi-channel tunable optical filter is a new product based on thermally tuned SOI micro ring resonator structure. This product achieved the integration of multi-channel optical filters on a single SOI chip. It has tiny polarization sensitivity realized by a special design. The product is electro-optically co-packaged and digitally driven.

【特性 Features】

- 多通道
Multi-channels
- 高集成度芯片化
Chip based
- 偏振无关
Polarization insensitive

【应用 Applications】

- 光纤传感
Optical fiber sensor
- 光纤通信
Optical fiber communications
- 光网络增益调节与滤波
Fiber network gain equalization and wavelength filtering



【性能指标 Specifications】

参数指标 Parameters	单位 Unit	最小值 Min.	典型值 Typ.	最大值 Max.	备注 Notes
波长范围 Wavelength range	nm	1530—1570 nm 或 1270nm—1330 nm 1530—1570 nm or 1270nm—1330 nm			
可调波长分辨率 Wavelength tuning resolution	nm	0.1			
可调隔离度分辨率 Extinction ratio tuning resolution	dB	0.1			
通道数 Number of channels		8 或可定制 8 or can be customized			
光纤接入损耗 Insertion loss	dB	≤1.4			
偏振相关损耗 PDL	dB	≤0.4			
调谐响应时间 Response time	μs	≤200			
单通道功耗 Single-channel power consumption	mW	≤40			
工作温度范围 Operating temperature range	°C	-20		50	
工作湿度范围 Operating humidity range	%			+65	
尾纤接头类型 Fiber type		FC/APC, FC/UPC 或可定制 FC/APC, FC/UPC or can be customized			