



Glimmerglass 高速光开关矩阵

透明无阻塞的光路连接

- 任何接入与输出端口之间能自由交换
- 单模光纤，波长范围（1270nm–1630nm）
- 技术核心采用MEMS旋转微镜阵列
- 传输数据速率：
OC-768 (40Gb/s), 10GE, DWDM
- 透明传输各种信号格式：
SONET/SDH, Ethernet, digital (数字), analog (模拟)

Optical	Unit	Min	Typical ¹	Max ¹
Ports (Fiber Inputs x Fiber Outputs) /接口 (输入x输出) ²				
MTP-8 Connectors	fibers/ 数	48 (24 x 24)		190 (95 x 95)
MTP-12 Connectors		48 (24 x 24)		190 (95 x 95)
LC Connectors		48 (24 x 24)		96 (48 x 48)
FC Connectors		48 (24 x 24)		48 (24 x 24)
SC Connectors		48 (24 x 24)		48 (24 x 24)
ST Connectors		48 (24 x 24)		48 (24 x 24)
Insertion Loss /插入损耗 (1 to 1 connections) ^{1,3}	dB		2.2	3.7
Insertion Loss /插入损耗 (Multicasting, 1 to N connections) ^{1,3}	dB		$\frac{1:2}{8} \frac{1:4}{11} \frac{1:6}{14} \frac{1:8}{15}$	$\frac{1:2}{11} \frac{1:4}{14} \frac{1:6}{17} \frac{1:8}{18}$
Wavelength Range /波长范围	nm	1270		1630
Loss Repeatability /重复性	dB		+/- 0.05	+/- 0.10
Spectral Variation /波长相关损耗 (O, C, or L band)	dB			0.50
Polarization Dependent Loss /偏振相关损耗	dB		0.05	0.10
Polarization Mode Dispersion /偏振模色散	psec		0.005	0.010
Optical Return Loss /回波损耗 ¹	dB	30	35	
Crosstalk /信道串扰	dB			-70
Switching Speed /切换速度	ms		20	
Input Optical Power /接入功率 ⁴	dBm	-25		+20
Operating Temperature /工作温度	°C	-5		+50

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