

INTELLIGENT OPTICAL SWITCH

SYSTEM 100 SPECIFICATIONS

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

Mechanical / Electrical	System 100
Fiber Type /光纤类别	Single Mode Fiber
Individual Fber Connectors /单光纤接口	LC, FC, SC, ST
High Density, Multi-Fiber Connectors /多光纤接口	MTP-8, MTP-12
19" Chassis Rack Space /机架式机箱 (Rack Units)	2 RU
Chassis Dimensions /机箱大小: Height x Width x Depth (高x宽x长)	inch: 3.5 x 17.0 x 19.0 mm: 89 x 432 x 482
Weight /重量: lbs / kgs	20.0 / 9.1
Power Options /电源	100-240 VAC 50/60 Hz or Dual -48 VDC
Power Consumption /功耗 (DC)	35W
High Availability (Additional 1U Rackmount)	Redundant, Hot Swappable AC power Supplies
Certified Compliance /认证许可	UL, CSA, CE, FCC Class A
Control Interface /控制接口	RJ4S Ethernet 10/100 BASE-T
Craft Interface /Craft接口	RS-232 (DB9) and RJ4S Ethernet 10/100 BASE-T
Control/Craft Protocol /控制/Craft协议	TL1, HTML



¹ Measurements taken at 1310 nm and 1550 nm at 25 °C. ² Asymmetric configurations (NxM) are available. ³ Measured input fiber to output fiber, including integrated Intelligent Fiber Monitoring optical power meters and LC connectors. Other connector types, such as MTP, may increase loss.

⁴ Standard configuration. Low power option: -35 to +15dBm.

¹ 于室温25° C测试波长1310nm和1550nm. ² 可选用不对称设计 (NxM). ³ 测量从光纤接入端到输出端 (包括集成的光功率测量表和LC接口在内) 的损耗。其他接口如MTP可能导致损耗增加。 ⁴ 标准配置。可选低功率: -35dBm 至 15dBm.