



1xN OPTICAL SWITCH

Features

- Wide Operation Wavelength Range
- Multiple control methods
- Physical position sensor
- 15kV ESD protection
- GR-1073 & GR-1221 Compliant

Applications

- RFTS
- Fiber sensing
- Fiber network monitoring
- Fiber Optical Protection
- Measurement automation

Performance Specification

Parameter	Conditions	Min.	Typ.	Max.	Min.	Typ.	Max.	Unit
Fiber	Coated 900um Tight Buffer	9/125/250			50/125/250 or 62.5/125/250			um
Workable Wavelength Range		1260		1670	850 or 980			nm
Insertion Loss ¹			0.6	0.8		0.6	0.8	dB
Return Loss ²			60	55		35	30	dB
Cross Talk				-80		-70	-60	dB
Polarization Dependence Loss				0.1			0.1	dB
Wavelength Dependence Loss	Within every 40nm range			0.2				dB
Temperature Dependence Loss	Over -5 to 70°C			0.3			0.3	dB
IL Stability	Continuous 8 hours meas.		±0.01	±0.02		±0.01	±0.02	dB
IL Repeatability	Successive 100 times meas.		Δ0.02	Δ0.04		Δ0.02	Δ0.04	dB
Optical Power Handling				0.5			0.5	W
Switching Time	Adjacent channel		5			5		ms
Durability		1x10 ⁷	5x10 ⁷		1x10 ⁷	5x10 ⁷		Cycles
Supply Voltage	Respect to GND	4.75	5	5.5	4.75	5	5.5	VDC
Digital Input Voltage	TTL/LVTTL	-0.3	5	5.5	-0.3	5	5.5	VDC
Digital Output Voltage	LVTTL	0		3.3	0		3.3	VDC
Power Consumption	Operation / Power on			7			7	W
Operation Temp. Range		-5		70				°C
Operation Humidity Range	Non Condensing			90				%
Storage Temperature Range		-45		85				°C
Storage Humidity Range	Non Condensing			85				%
Dimension (L*W*H)		155 x 102 x 27.8						mm

1. 1x36 IL MAX 1.0dB
2. 1x36RL: TYP 55dB

Absolute MAX. Rating

Supply Voltage	+6.0V max
All TTL Input Voltage	-0.5 to 6.5V
232Rx Voltage	±25V
SCL/SDA Voltage	-0.3 to 7V