



Sat-Light Platinum Series

PL7635 WDM Diplexer



Features & Benefits

- Reduces cable connector failures
- Greatly improves cable management

Product Description

Global Foxcom's Sat-Light/Platinum WDM PL7635 multiplexes and de-multiplexes 1310 nm and 1550 nm optical wavelengths on one single optical fiber thus allowing to transmit two different RF signals over a single fiber.

The PL7635 is also capable to combine two wavelengths in opposite directions to create bi-directional communications over a single fiber.

Sat-Light Platinum Series

Specifications

RF Specifications	Units	Typical	Minimum	Maximum
Frequency Range 1550 1310	nm		1528 1295	1565 1325
Insertion Loss 1550 nm 1310 nm	dB			0.8 0.8
Isolation between 1310 to 1550 nm ports	dB		17	
Optical return loss	dB			-55
Wave dependent loss	dB			0.15
Temperature dependent loss	dB			0.15
Polarization dependent loss	dB			0.1
Maximum power handling	mW			500
Connector	Type	FC/APC, SC/APC [E2000 option]		
Physical Specifications				
Operating Temperature Range	°C		-10	+55
Storage Temperature Range	°C		-45	+85
Relative Humidity	95% non-condensing			
Altitude	ft / Km	10,000 [3.08] operating ¹ 14,000 [12.2] non-operating		
Dimensions [D×W×H]	ins/cm	12×0.8×4 / 30.5×2×10.2		
Weight	lbs./Kg	0.5 / 0.23		
Physical / Environmental Specifications				
Shock & Vibration	Designed for normal transportation environment per section 514.4 MIL-STD-810E. Designed to withstand 20G at 11 ms [½ sine pulse] in non-operating configuration.			

1. With standard adiabatic derating of 2°C/1000 ft. [0.3 Km]
All specifications are subject to change without notice.

Ordering Information

Model	Optical Connector	Description
PL7635	Null	FC/APC (default)
	-SC	SC/APC
	-E2	E2000