

PL7635: WDM Diplexer

Features & Benefits:

- Reduces cable connector failures
- Greatly improves cable management



Product Description

The 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.

Specifications

WDM Diplexer: PL7635

RF Specifications	Units	Typical	Minimum	Maximum
Frequency Range				
1550	nm		1528	1565
1310			1295	1325
Insertion Loss				
1550 nm	dB			0.8
1310 nm				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 14,000 [12.2] non-operating		
Dimensions [DxWxH]	ins/cm	12x0.8x4 / 30.5x2x10.2		
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

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