

Model OT-DWDM-8 8-Channel 100GHz DWDM

Features / Benefits



APPLICATIONS

- DWDM Transmission System
- Optical Fiber Device
- Optical Fiber Amplifier System
- Wideband Networks

FEATURES

- Epoxy Free
- Low Insertion Loss
- High Reliability and Stability
- Polarization Independent

Operating Specifications

Parameter	Units	Specification	
		Mux	Demux
Center Wavelength (λ_c)	nm	ITU Channel ± 0.1	
Channel Spacing	GHz	100	
0.5 dB Pass Band	nm	± 0.36	
Typ. Insertion Loss	dB	3.3	
Max. Insertion Loss	dB	3.8	
Max. Channel Uniformity	dB	1.5	
Min. Isolation of Adjacent Ch.	dB	N/A	25
Min. Isolation of Non-Adjacent Ch.	dB	N/A	40
Min. Directivity	dB	55	
Max. Polarization Dependent Loss	dB	0.2	
Min. Return Loss	dB	45	
Max. Polarization Mode Dispersion	ps	0.1	
Max. Thermal Stability	dB/°C	0.007	
Max. Thermal Wavelength Drift	nm/°C	0.002	
Max. Optical Power	mW	300	
Operating Temperature	°C	0 to +65	
Storage Temperature	°C	-40 to +85	
Package Dimensions	mm	P: 136 x 100 x 12 O2: 80 x 60 x 13 T: 19" 1RU Rack Z: 140 x 35 x 194	

Ordering Information

Standalone

OT-DWDM-8-1------

Function

M = Mux D = Demux

Beginning Channel

Refer to ITU Frequency Guide

Pigtail

2 = 2mm Cable

3 = 3mm Cable

5 = 0.9mm Loose Tube

Package (mm)

P: 136 x 100 x 12

O2: 80 x 60 x 13

Pigtail Length

05 or 10 = 0.5 or 1.0 Meters

Connector

FA = FC/APC

SA = SC/APC

OTCP & Rack

OT-DWDM-8-1----

Function

M = Mux D = Demux

Beginning Channel

Refer to ITU Frequency Guide

Package (mm)

T: 19" 1RU Rack

Z: Olson OTCP Housing

Connector

FA = FC/APC

SA = SC/APC

Data sheets and performance may be updated without notice.