

Model OT-DWAD 100 GHz DWDM Add/Drop Module

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
# Add/Drop Channels		1 (2x2)
Add/Drop Center Wavelength (λ_c)	nm	ITU Channel ± 0.06
-0.5 dB Bandwidth	nm	± 0.19
-25 dB Bandwidth	nm	± 0.625
Typ. Add/Drop Insert. Loss @ λ_{ad}	dB	0.8
Max. Add/Drop Insert. Loss @ λ_{ad}	dB	1.0
Typ. Remain Insert. Loss @ λ_p	dB	0.8
Max. Remain Insert. Loss @ λ_p	dB	1.1
Min. Adjacent Isolation	dB	25
Min. Non-Adjacent Isolation	dB	40
Min. Directivity	dB	50
Max. Polarization Dependent Loss	dB	0.1
Min. Return Loss	dB	45
Max. Thermal Stability	dB/°C	0.004
Max. Thermal Wavelength Drift	nm/°C	0.001
Max. Optical Power	mW	250
Operating Temperature	°C	0 to +65
Storage Temperature	°C	-40 to +85
Package Dimensions	mm	O: 100 x 80 x 9 L: 120 x 80 x 18 P: 136 x 100 x 12 S: 140 x 114 x 18 G: 140 x 114 x 13

Ordering Information

OT-DWAD-1 — 2 — 9 — — — —

Pigtail
1 = 0.9 mm Tight Buffer
3 = 3 mm Cable
5 = 0.9 mm Loose Tube

Package (mm)
O: 100 x 80 x 9
L: 120 x 80 x 18
P: 136 x 100 x 12
S: 140 x 114 x 18
G: 140 x 114 x 13
Z: Olson OTCP Housing

Pigtail Length
05 -99 = 0.5 - 9.9 Meters
00 = Receptacle (Package L Only)

Connector
FA = FC/APC
SA = SC/APC