sales@wdmquest.com
www.wdmquest.com

0601 DWDM 50 G

W1350-S

1X2 DWDM Channel 50, 50 G, 1537.40 nm

The DWDM is designed for long-haul transmission where wavelengths are packed tightly together. The 50 GHz spacing DWDM filters allow system designers optimal configuration flexibility. They feature low insertion loss, high channel isolation, and excellent environmental stability and reliability. They can be used for channel add/drop, DWDM network, wavelength routing and fiber optic filter.

FEATURES

- 0.4 nm Channel Spacing
- High Channel Isolation
- High Stability and Reliability
- Low Insertion Loss

USE IN

- Narrow Bandwidth Filter
- Channel Add/Drop
- Wavelength Routing
- Fiber Optic Amplifier
- DWDM Network

Data (dB) / WL (nm)	Comm.→Pass (IL/PDL for PBs, Isolation for IBs)				Comm.→Reflec. (IL for IBs, Isolation for PBs)			Directivity (Room Temp.)		Return Loss (Room Temp.)		
	-5°C	Room	50°C for PBI	70°C for PBI	-5°C	Room	70°C for PBI	Pass→ Reflec.	Reflec. →Pass	Common Port	Reflection Port	Pass Port
ITU-(IBB)/2 1535.96	38.33	38.76	NA	38.94	0.29	0.27	0.21	/	74	66.51	64.19	/
ITU-(IBA)/2 1536.74	17.32	17.61	NA	18.41	0.4	0.36	0.32	/	/	/	/	/
ITU-(PB2)/2 NA	NA	NA	NA	NA	NA	NA	NA	/	/	/	/	/
ITU-(PB1)/2 50°C/70°C 1537.28	0.64/0.02	0.58/0.02	NA	0.7/0.03	12.3	13.48	12.87	/	/	/	/	/
ITU 1537.4	0.44/0.03	0.49/0.03	NA	0.61/0.04	20.04	16.88	15.03	60.9	/	65.87	/	63.14
ITU+(PB1)/2 50°C/70°C 1537.52	0.39/0.02	0.42/0.03	NA	0.49/0.04	26.95	33.78	34.25	/	/	/	/	/
ITU+(PB2)/2 NA	NA	NA	NA	NA	NA	NA	NA	/	/	/	/	/
ITU+(IBA)/2 1538.06	16.06	15.7	NA	14.61	0.42	0.41	0.42	/	/	/	/	/
ITU+(IBB)/2 1538.84	37.9	37.45	NA	37.08	0.32	0.28	0.23	/	74	64.12	65.41	/
Ripple in PB1	0.27	0.19	NA	0.22	/	/	/	/	/	/	/	/
Max. IL	0.64	0.58	NA	0.7	0.32	0.28	0.23	/	/	/	/	/
Min. Iso.	16.06	15.7	NA	14.61	12.3	13.4	12.36	/	/	/	/	/
ITU: 1537.4 PB1(50°C): NA PB1(70°C): 0.24 PB2: NA IBA: 1.32 IBB: 2.88 (All in nm)												
IL in PB1: 1.00 RIL: 0.40 TI from IBA: 7 RL: 50 Directivity: 50 IL in PB2: NA Ripple: 0.35 TI from IBB: 30 RI: 12 (All in dB)												
Temp. Cycle: -40 °C to 85 °C												

Order notes to our customers: **The default parameters are as follows. For special needs, please contact sales.**

1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.