

sales@wdmquest.com www.wdmquest.com

0301 CWDM Filter





1X2 CWDM Device, 1330 nm

This 1x2 CWDM device which can achieve line monitoring. It provides low insertion loss, high channel isolation, wide pass band, high stability and reliability and epoxy free optical path. It can be used for access network, WDM network, cellular application and fiber optical amplifier.

FEATURES

- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation

USE IN

- Line Monitoring
- WDM Network
- Telecommunication

MECHANICAL DRAWING

- High Stability and Reliability
- Epoxy Free Optical Path
- Cellular Application
- Fiber Optical Amplifier
- Access Network

REFLECT Image: Channel Wavelength 1330 nm Channel Spacing 20 nm Channel Passband (@-0.5 dB Bandwidth) 13 nm min. Pass Channel Insertion Loss 0.60 dB max. Isolation Pass Channel 30 dB min. Reflect Channel 13 dB min. Reflect Channel 13 dB max. Wavelength Temperature Shifting 0.002 nm/°C max Polarization Dependent Loss 0.10 dB max. Polarization Mode Dispersion 0.10 ps max. Return Loss 45 dB min. Power Handling 300 mW max. Directivity 50 dB min. Operating Temperature -20°C to +75 °C Storage Temperature -40°C to +85 °C Dimension 5.5x5.5x38 mm	C	OMMON	5.5mm PASS
52mmChannel Wavelength1330 nmChannel Spacing20 nmChannel Passband (@-0.5 dB Bandwidth)13 nm min.Pass Channel Insertion Loss0.60 dB max.IsolationPass ChannelReflect Channel13 dB min.Reflection Channel Insertion Loss0.40 dB max.Channel Ripple0.30 dB max.Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	R	EFLECT	+
Channel Spacing20 nmChannel Passband (@-0.5 dB Bandwidth)13 nm min.Pass Channel Insertion Loss0.60 dB max.IsolationPass ChannelReflect Channel13 dB min.Reflection Channel Insertion Loss0.40 dB max.Channel Ripple0.30 dB max.Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C			
Channel Passband (@-0.5 dB Bandwidth)13 nm min.Pass Channel Insertion Loss0.60 dB max.IsolationPass ChannelReflect Channel13 dB min.Reflection Channel Insertion Loss0.40 dB max.Channel Ripple0.30 dB max.Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Channel Wavelength		1330 nm
Pass Channel Insertion Loss0.60 dB max.IsolationPass Channel30 dB min.Reflect Channel13 dB min.Reflection Channel Insertion Loss0.40 dB max.Channel Ripple0.30 dB max.Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Channel Spacing		20 nm
IsolationPass Channel30 dB min.Reflect Channel13 dB min.Reflection Channel Insertion Loss0.40 dB max.Channel Ripple0.30 dB max.Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Channel Passband (@-0.5 dB B	andwidth)	13 nm min.
IsolationReflect Channel13 dB min.Reflection Channel Insertion Loss0.40 dB max.Channel Ripple0.30 dB max.Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Pass Channel Insertion Loss		0.60 dB max.
Reflect Channel13 dB min.Reflection Channel Insertion Loss0.40 dB max.Channel Ripple0.30 dB max.Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Pass Channel		30 dB min.
Channel Ripple0.30 dB max.Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Reflect Channel		13 dB min.
Wavelength Temperature Shifting0.002 nm/°C maxPolarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Reflection Channel Insertion Loss		0.40 dB max.
Polarization Dependent Loss0.10 dB max.Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Channel Ripple		0.30 dB max.
Polarization Mode Dispersion0.10 ps max.Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Wavelength Temperature Shifting		0.002 nm/°C max
Return Loss45 dB min.Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Polarization Dependent Loss		0.10 dB max.
Power Handling300 mW max.Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Polarization Mode Dispersion		0.10 ps max.
Directivity50 dB min.Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Return Loss		45 dB min.
Operating Temperature-20°C to +75 °CStorage Temperature-40°C to +85 °C	Power Handling		300 mW max.
Storage Temperature -40°C to +85 °C	Directivity		50 dB min.
5	Operating Temperature		-20°C to +75 °C
Dimension 5.5x5.5x38 mm	Storage Temperature		-40°C to +85 °C
	Dimension		5.5x5.5x38 mm

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.