

Key Features

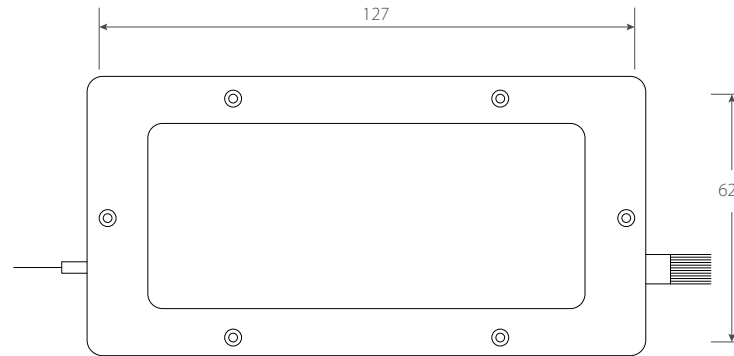
- Low insertion loss
- High adjacent channel isolation
- Low polarization correlation
- High reliability

Applications

- DWDM (Dense wave division multiplexing)
- VMux
- ROADM (Reconfigurable optical add/drop multiplex)



Dimensions



Unit: mm

Parameter Specifications

	40 Channels	48 Channels	
Insertion Loss	≤5.2dB	≤5.6dB	*Note 1
Channel Spacing	100GHz	100GHz	
ITU Frequency	196.00~192.10THz	196.00~192.10THz	*Note 2
Center Frequency Accuracy	±0.04nm	±0.04nm	*Note 3
Pass Band	± 12.5GHz	± 12.5GHz	
Insertion Loss Uniformity	≤1.0dB	≤1.0dB	*Note 5
Ripple	≤0.5dB	≤0.5dB	*Note 6
3 dB Bandwidth	≥0.6nm	≥0.6nm	*Note 7
Adjacent Channel Isolation	≥25dB	≥25dB	*Note 8
Non-Adjacent Channel Isolation	≥30dB	≥30dB	*Note 9
Directivity	≥40dB	≥40dB	*Note 10
Total Crosstalk	≥22dB	≥22dB	*Note 11
Polarization Dependent Loss	≤0.5dB	≤0.5dB	*Note 12
Return Loss	≥40dB	≥40dB	
Polarization Mode Delay	≤0.5ps	≤0.5ps	*Note 13

Notes:

1. Maximum of the insertion loss across the ITU pass-band over all channels
2. On ITU grid in C-band Even
3. Maximum of the absolute deviation of the 3 dB center wavelength from ITU grid over all channels
4. Relative to ITU Grid
5. Maximum insertion loss variance across all channels
6. Maximum of the loss variance across the ITU pass-band over all channels
7. 3 dB from min Insertion Loss, full width average polarization
8. Ratio of peak transmission to the maximum transmission over both adjacent pass-bands
9. Ratio of peak transmission in channel pass bands to maximum transmission over all non-adjacent pass-bands
10. The pass band wavelength directivity
11. Ratio of power in channel to power in all other pass-bands
12. Maximum ratio of transmissions over all polarization states, over the ITU pass-band
13. In Reference Passband over all channels
14. The above parameters do not include a connector, which is less than 0.2dB for a pair of connector.

Operating Conditions

Maximum Power Handling	500mW
Operating Temperature	-5°C ~ +70°C
Storage Temperature	-40°C ~ +85°C



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