

12 Band 7 skip 1 Mux/Dux Family - 50GHz Channels

solla-Q 50

The Bookham Technology solla-Q 1 by 12 7 skip 1 (50GHz Channels) banded Mux/Demux module is based on thin-film interference filter technology.

Standard Version

This version of the product uses a simple cascade of 7 skip 1 (50GHz) filters to provide the mux or demux function. The mux and demux are built as complementary pairs giving the lowest overall loss.

Uniform Loss Version

This version of the product has the loss balanced between channels to achieve lowest channel-to-channel loss variation.

Lowest Chromatic Dispersion Version

This version uses a 3dB coupler to split channels into even and odd sets to provide the lowest chromatic dispersion levels.

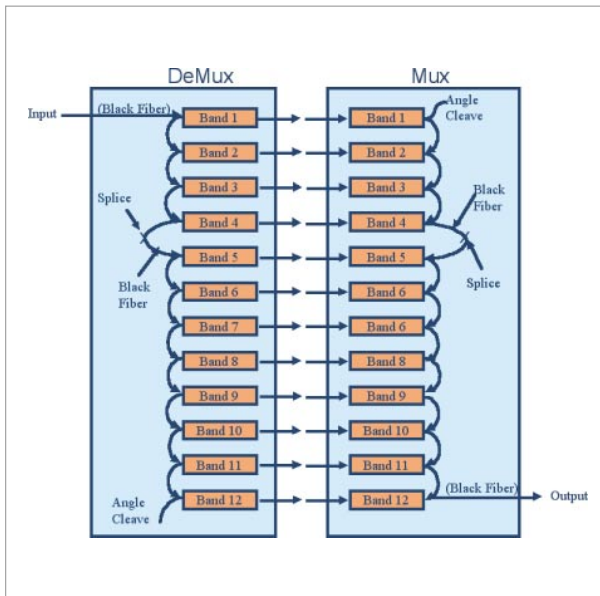
Features

- ITU and Custom Wavelengths
- Low insertion loss variation across passband
- Accurate Wavelength Centering
- High Adjacent Band Rejection
- Excellent Temperature Stability

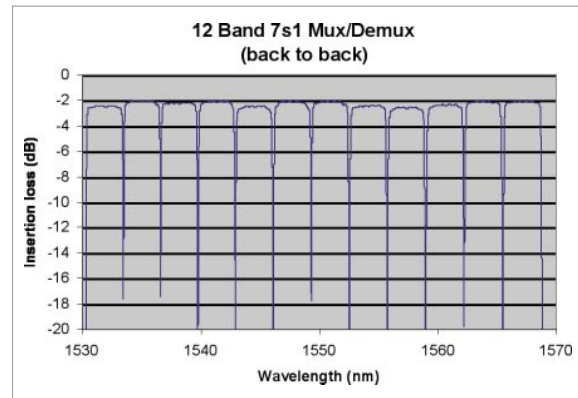
Compliance

- Telcordia 1221

12 Band 7 skip 1 50GHz Mux/Demux Pair



Loss Measurement for Mux/Demux Pair

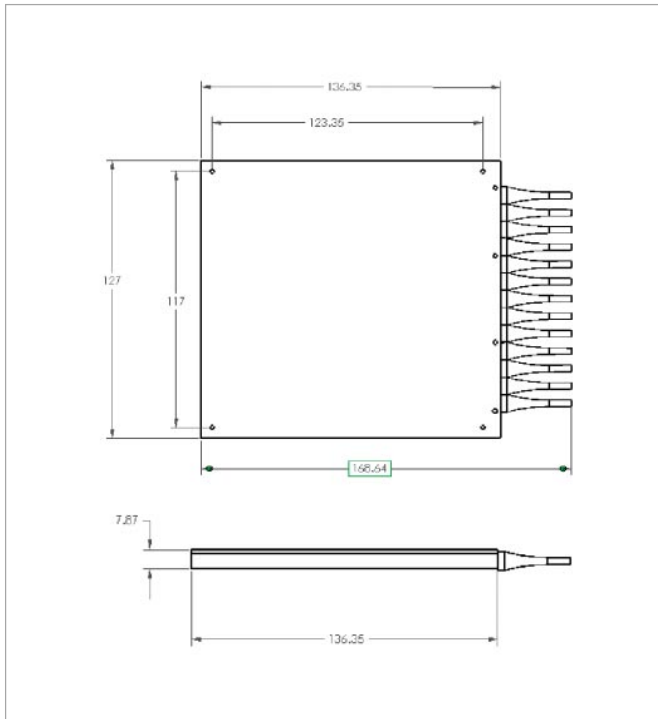


Preliminary Specifications*

Parameter	Unit	12 Band 7 skip 1 Demux
Transmitted Channels		
Clear Channel Passband, PB_{clear}	GHz	320GHz
Maximum Insertion Loss	dB	4.0
Channel to Channel Loss Variation	dB	1.5dB
Adjacent Channel Isolation	dB	25
Polarization Dependent Loss	dB	0.30
Return Loss	dB	45

Note: all parameters measured over the clear channel width, PB_{clear} , for all polarization states and environmental conditions

* Contact Bookham Technology for your specific requirements



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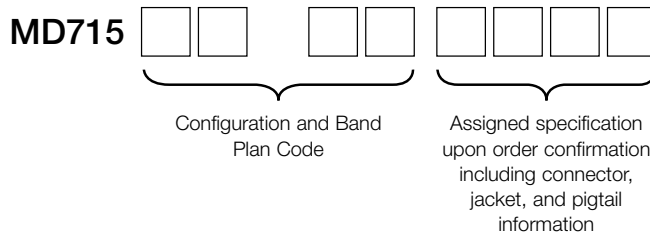
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Ordering Information

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