

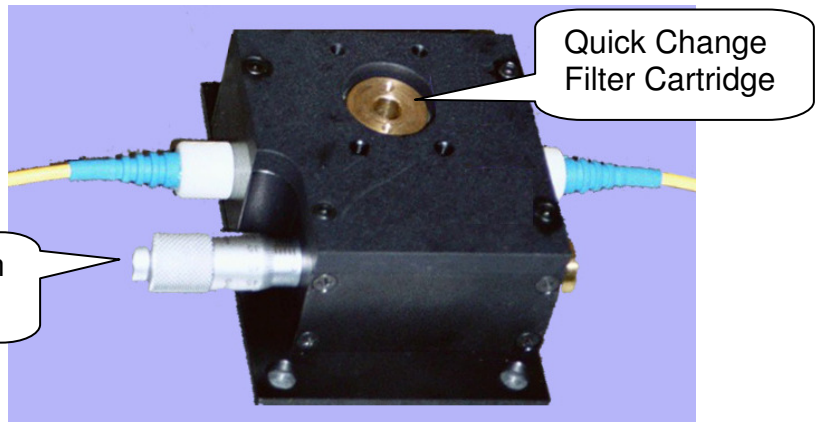
Quick Change Filter Cartridge and Tunable Filter Module

In soliton lasers, the temporal pulsewidth is determined by the spectral bandwidth. PriTel pioneered the use of easily-changed, pre-aligned optical filters in their fiber lasers to achieve the optimum soliton pulse shapes. These Quick Change Filter Cartridges provide pulsewidths from 10 ps to 0.6 ps.

In response to customer requests, PriTel has designed an external module for the Quick Change Filter Cartridge that functions as a tunable filter.

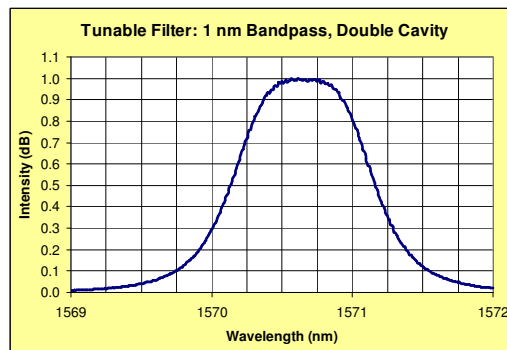
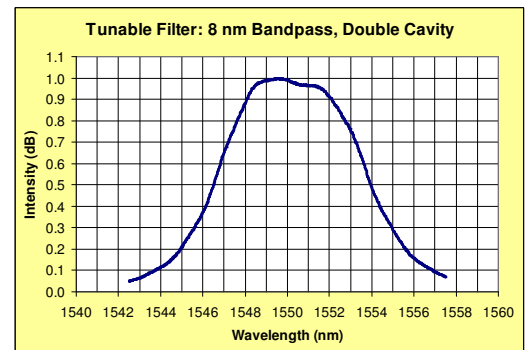
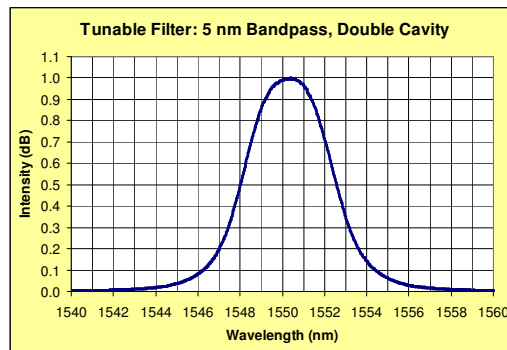
The module accepts Quick Change Filter Cartridges with bandpass widths from 10 nm to 1 nm in the C-Band.

These modules feature ease of operation, wavelength calibration and quick changes of the filters. The units are available with a variety of optical connectors.



Specifications

(Example filters. Other bandwidths available.)	3 nm Double Cavity	5 nm Double Cavity	6 nm Double Cavity
Tuning range	1535 – 1570 nm	1535 – 1570 nm	1535 – 1570 nm
Center wavelength	1570 nm	1570 nm	1570 nm
Insertion loss with filter cartridge inserted	< 1 dB	< 1 dB	< 1 dB
Bandwidth 3 dB	3 nm	5	6
Bandwidth 10 dB		9	10
Bandwidth 20 dB		16	18
Connectors	FC/APC (other connectors available upon request)		
Dimensions (LxWxH, cm)	6.2 x 6.2 x 3.5		



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