

Intention of purchase of – Tunable filter with adjustable bandwidth

The system to be purchased is an optical tunable band pass filter with bandwidth tunability. It takes input optical signal and gives filtered output with adjustable central wave length with adjustable bandwidth.

Specifications Required:

Wavelength tuning range	: C band (1520 – 1575 nm)
Center frequency of the filter	: Tunable across the wavelength range
Bandwidth setting range nm	: lower limit $\leq 0.05$ nm , upper limit $\geq 0.9$
Insertion Loss	: $\leq 5$ dB
Polarization Dependent Loss	: $\leq 0.2$ dB
Filter Shape	: Flat top with flatness $\leq 0.2$ dB
Center frequency resolution	: Better than 5 pm
Edge roll-off	: 500 dB/nm or better

Fiber coupled with FC/APC connectors.

These specifications are required to use this filter for selecting comb-lines, filtering specific wavelength channels in optical communication experiments.

Manufacturer should be able to provide above mentioned customer references.

Pl send the hard copy of the data sheet and quote in a single sealed envelope, to the following address, marking the tender reference number on Top.

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All quotes must reach us on or before 8<sup>th</sup> February.