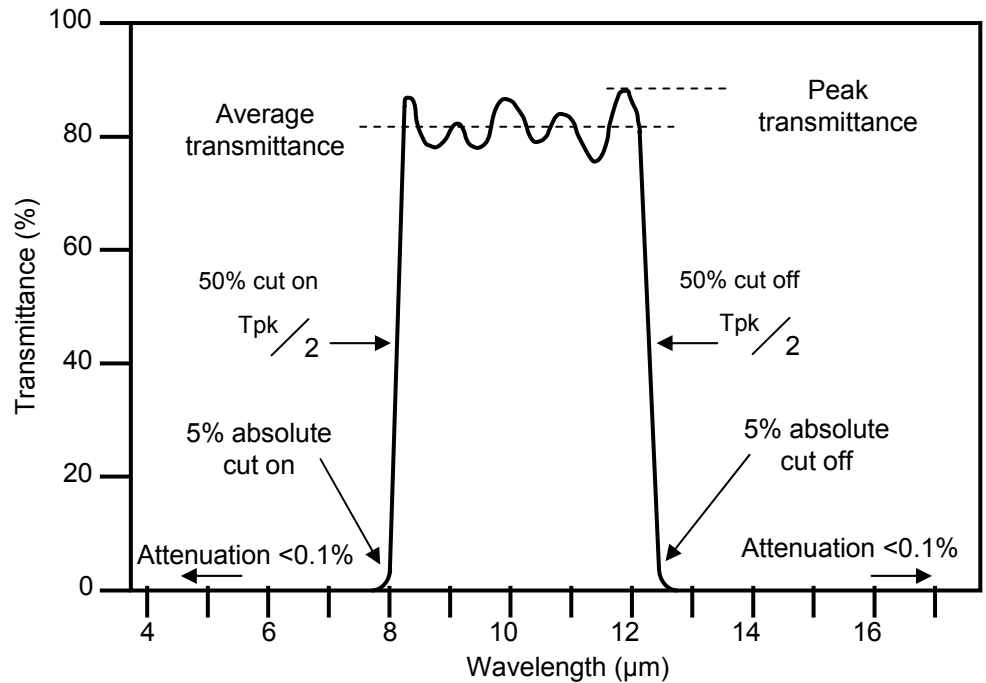




Wide bandpass filters are designed to isolate a very wide spectral band. They are classified by having bandwidths (measured at half peak transmittance levels) greater than 13%. When ordering, it is necessary to specify the 5% cut on/cut off transmission points or the 50% cut on/cut off transmission points (the 5% points are measured as absolute values but the 50% points are measured as 50% of peak transmittance). The filters exhibit high average transmission in the passband (typically greater than 70%) and very low transmission levels outside the passband (typically less than 0.1 %). This type of filter is particularly useful for isolating the 3-5 μ m or 8-12 μ m atmospheric windows and finds widespread use in thermal imaging/human body sensor applications.

TYPICAL PERFORMANCE



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TYPICAL CHARACTERISTICS

Available wavelength range	~1.5 to 20 μ m
Cut on / off tolerance	To customers requirements, from +/-1%. Standard tolerances are typically +/-4% for a 3-5 μ m or 8-12 μ m wide bandpass filter.
Average transmittance	Typically >70%
Blocking (attenuation)	Typically <0.1% from 0.3 μ m to far infrared.

