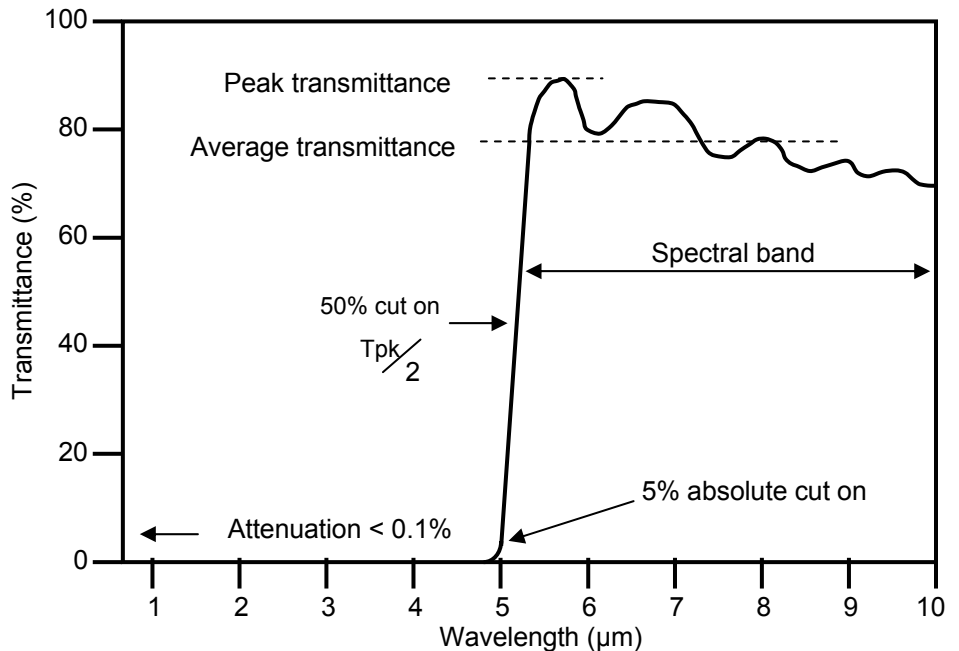




Long Wave Pass filters (also referred to as edge filters) are constructed from stacks of thin layers. They are distinguished by a sharp transition from a zone of rejection to a zone of transmission. The rejection region extends to below $0.3\mu\text{m}$ and the transmission region typically extends to greater than twice the wavelength of the edge position. When ordering it is necessary to specify the required 5% or 50% cut on edge position (the 5% point is measured as an absolute value but the 50% point is measured as 50% of peak transmittance).

TYPICAL PERFORMANCE



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TYPICAL CHARACTERISTICS

Available wavelength range	~1.3 to $20\mu\text{m}$ (edge position)
Edge tolerance	To customers requirements, from $\pm 1\%$ but standard tolerance $\pm 4\%$.
Average transmittance	Typically $> 75\%$ (depending on wavelength)
Cut on slope	Typically $< 5\%$
Blocking (attenuation)	Typically $< 0.1\%$ to $0.3\mu\text{m}$

