Line filters
Spectral range
200 nm to 333 nm

Type	KMD 12 (3 cavities)
λ_m-tolerance [% of λ_m]	± 0.5
Available with λ_m in range [nm]	200–333
Spectral values	
Half width HW [nm]	9–13 (λ_m from 200 nm to 239 nm) 11–15 (λ_m from 240 nm to 333 nm)
Maximum spectral transmittance τ_{max} within passband	≥ 0.15 (λ_m from 195 nm to 239 nm) ≥ 0.18 (λ_m from 240 nm to 333 nm)
$Q = \frac{\text{tenth width}}{\text{half width}}$	approx. 1.8
$q = \frac{\text{thousandth width}}{\text{half width}}$	approx. 5
Blocking range [nm]	unlimited
Average value τ_{SM} of spectral transmittance within blocking range	≤ 10^{-5}
Other properties	
Humidity resistance of filters with preferred dimensions	MIL-Std-810 C, method 507, proc. 1 : 5 cycles
Operating temperature	up to 70 °C for several hours up to 100 °C for short periods
Temperature dependence of λ_m $\Delta\lambda_m/\Delta T$ [nm/°C]	approx. +0.007
Notes	Filters delivered in mounts only. Fit filters with mirror side facing light source.

Table 1: Specifications of filter type KMD 12

Preferred dimensions [mm]	
External dimensions ø 12 ± 0.15	Dimensions of utilizable area ø ≥ 9
Thickness	4.75 ± 0.1
Other dimensions on request	

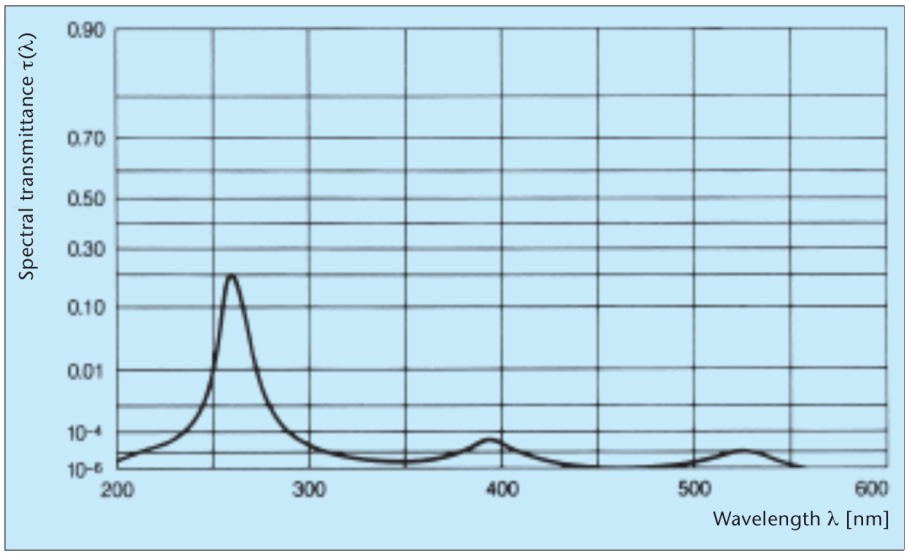

Fig. 9: Spectral transmittance curve (general curve) of filter type KMD 12