Band filters
Spectral range
600 nm to 800 nm

Type	KMZ 20 (2 cavities)
λ_m-tolerance [% of λ_m]	± 1
Available with λ_m in range [nm]	600–800
Spectral values	
Half width HW [nm]	18–24
Maximum spectral transmittance τ_{max} within passband	≥ 0.50 (λ_m from 600 nm to 800 nm)
$Q = \frac{\text{tenth width}}{\text{half width}}$	approx. 1.8
$q = \frac{\text{thousandth width}}{\text{half width}}$	approx. 6
Blocking range [nm]	up to $2 \cdot \lambda_m$ [1)]
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. +0.02
Notes	[1)] Unlimited blocking range by additional blocking filters on request. Filter specification can, however, be changed because of this. Fit filters with mirror side facing light source.

Table 11: Specifications of filter type KMZ 20

Preferred dimensions [mm]	
External dimensions	Dimensions of utilizable area
ø 12 +0/–0.3	ø ≥ 9
ø 25 +0/–0.3	ø ≥ 22
ø 50 +0/–0.3	ø ≥ 47
□50 +0/–0.3	□≥ 47
Thickness	≤ 4
Other dimensions on request	

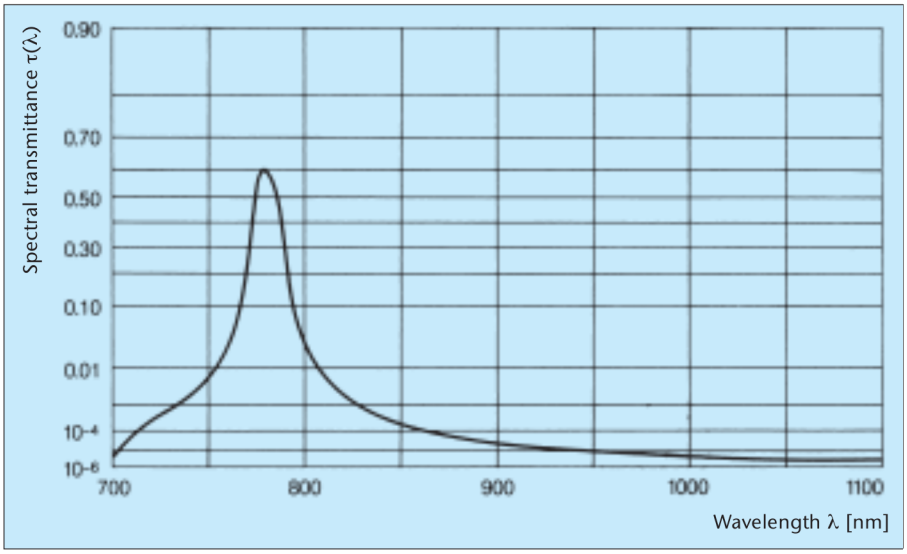

Fig. 19: Spectral transmittance curve (general curve) of filter type KMZ 20