

**Band filters**  
**Spectral range**  
**200 nm to 333 nm**

Type	KMZ 20 (2 cavities)
$\lambda_m$ -tolerance [% of $\lambda_m$ ]	$\pm 1.5$
Available with $\lambda_m$ in range [nm]	200–333
<b>Spectral values</b>	
Half width HW [nm]	18–24
Maximum spectral transmittance $\tau_{\max}$ within passband	$\geq 0.2$
$Q = \frac{\text{tenth width}}{\text{half width}}$	approx. 2
$q = \frac{\text{thousandth width}}{\text{half width}}$	approx. 6
Blocking range [nm]	unlimited
Average value $\tau_{SM}$ of spectral transmittance within blocking range	$\leq 10^{-4}$
<b>Other properties</b>	
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 $\lambda_m$ $\Delta\lambda_m/\Delta T$ [nm/°C]	approx. +0.007
Notes	Filters delivered in mounts only.  Fit filters with mirror side facing light source.

Table 2: Specifications of filter type KMZ 20

Preferred dimensions [mm]	
External dimensions	Dimensions of utilizable area
$\varnothing 12 \pm 0.15$	$\varnothing \geq 9$
Thickness	$4.75 \pm 0.1$
Other dimensions on request	

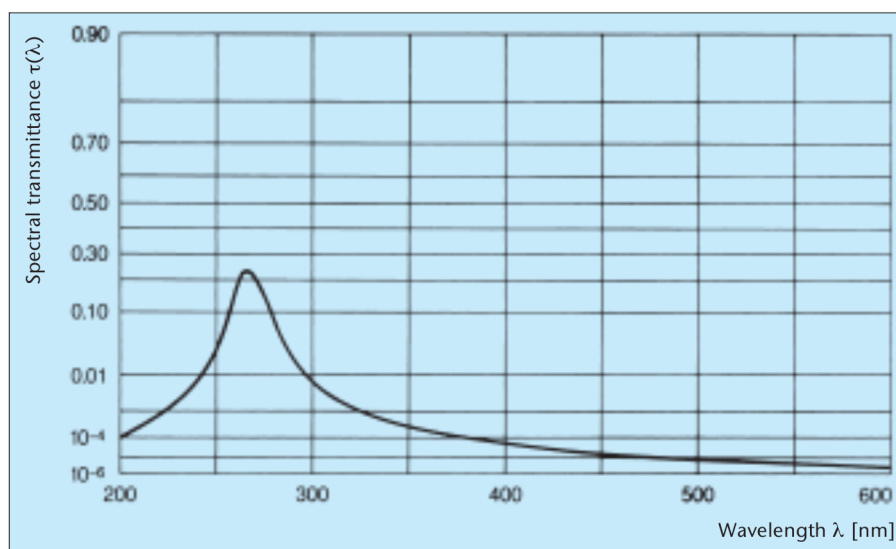


Fig. 10: Spectral transmittance curve (general curve) of filter type KMZ 20