Band filters
Spectral range
334 nm to 399 nm

Type	DAD 15 (3 cavities)
λ_m-tolerance [% of λ_m]	± 1.5
Available with λ_m in range [nm]	334–399
Spectral values	
Half width HW [nm]	12–18
Maximum spectral transmittance τ_{max} within passband	≥ 0.3
$Q = \frac{\text{tenth width}}{\text{half width}}$	approx. 1.5
$q = \frac{\text{thousandth width}}{\text{half width}}$	approx. 3.5
Blocking range [nm]	unlimited (λ_m from 334 nm to 360nm) up to 1200[1)] (λ_m from 361 nm to 399 nm)
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. +0.01
Notes	[1)] Unlimited blocking range by additional blocking filters on request. Filter specification can, however, be changed because of this.

Table 5: Specifications of filter type DAD 15

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
Thickness	≤ 7
Other dimensions on request	

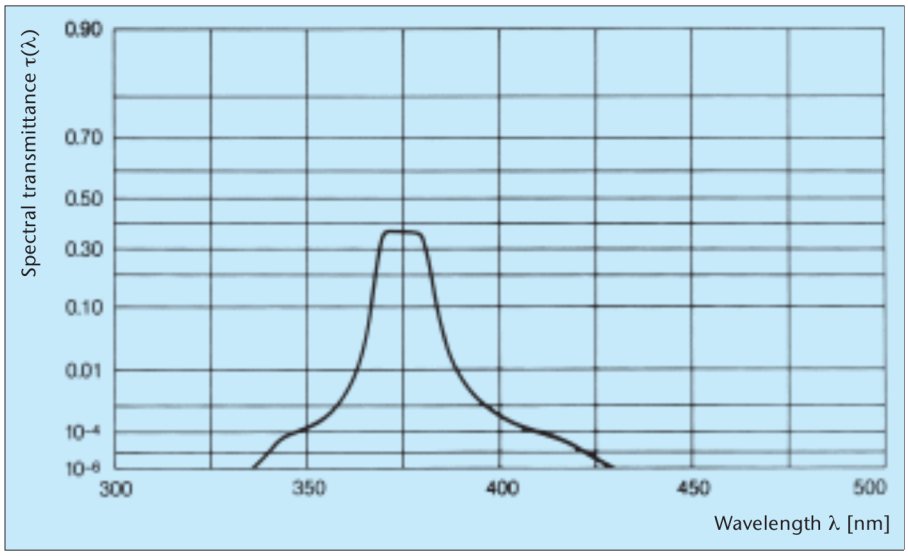

Fig. 13: Spectral transmittance curve (general curve) of filter type DAD 15