

Specification for Bandpass filter :

Specification	Parameter
Operating humidity	≤85 %
Operating temperature	-20°C -80°C
Incident angle	0°
Surface quality	80/50 or better
Diameter (mm)	D10, D15, D25, D30, D55; 8*8, 20*20... Adjust by customer
Clear aperture	90%
Center wavelength (CWL)	± 2 nm (FWHM<12nm) ± 3nm (FWHM<25nm) ± 5nm (FWHM>30nm)
Thickness	≤7mm
T _{pk}	Adjust by customer
FWHM = BW @ 50 % T _{pk}	≤10nm, 20nm, 30nm, 40nm others
Blocking range	200-1200nm
blocking	OD3-OD6
Number:	

λ_0 ——center wavelength

T_{max}——transmittance of center wavelength

FWHM——full width where transmittance is half of T_{max}, According to filter' s FWHM, Bandpass filter can be measured off: NBPF(narrow bandpass filter), BP (bandpass filter)and WBP(wide bandpass filter)

Usually BP filter is used in analytical instruments, such as Biomedical, Fluorescence and Biochemical instruments. By its pass band widths it can be named as Narrow Band pass filter,Middle Band pass filter.

NBPF:FWHM<15nm filter

340nm、405nm 、420nm、430nm、450nm、470nm、490nm、505nm、510nm、520nm、546nm、578nm 、610nm 、630nm 、632nm 、645nm 、650nm 、655nm 、730nm、800nm 、805nm、910nm

Specifications

substrate: floatglass/fused sio₂

size: 6-25mm

Size Tolerance: 25mm diameter -0.2/-0.1mm

50mm diameter -0.5/-0.1mm

clear aperture: $\Phi > 90\%$

Blocking range 200nm - 1200nm T < 0.01%

other: ordering by customer

BP: FWHM 15nm-40nm filter

420nm、470nm 、475nm、480nm、515nm、530nm、550nm、555nm、570nm、590nm
600nm、630nm 、640nm 、645nm 、650nm 、700nm 、750nm 、800nm 、850nm
900nm、1064nm

Specifications

substrate: floatglass/fused sio2

size: 6-25mm

Size Tolerance: 25mm diameter -0.2/-0.1mm

50mm diameter -0.5/-0.1mm

clear aperture: $\Phi > 90\%$

Blocking range 200nm - 1100nm $T < 0.01\%$

other: ordering by customer

WBP:FWHM $> 40\text{nm}$ filter

450nm、500nm 、550nm、600nm、650nm、700nm、800nm、950nm

Specifications

substrate: floatglass/fused sio2

size: 6-25mm

Size Tolerance: 25mm diameter -0.2/-0.1mm

50mm diameter -0.5/-0.1mm

clear aperture: $\Phi > 90\%$

Blocking range 200nm - 1100nm $T < 0.01\%$

other: ordering by customer



