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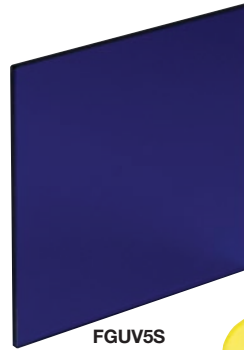
Windows

Diffusers

Bandpass Colored Glass Filters (Page 1 of 2)



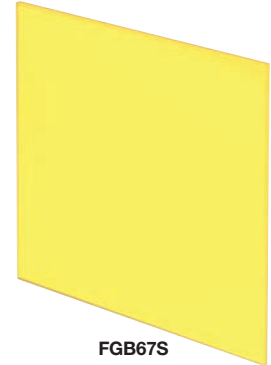
Thorlabs' bandpass colored glass filters are manufactured from different colors of Schott glass and are intended for use in a wide variety of applications. The filters are available in both round and square shapes. The Ø25.0 mm round filters will fit into our manual or motorized filter wheels; alternatively, they can be mounted in lens tubes. To mount the 50.8 mm x 50.8 mm (2" x 2") square filters, choose from our selection of fixed filter holders starting on page 305. For the 152.4 mm x 152.4 mm (6" x 6") filters, we recommend the FP02 Plate Holder (see page 306).



FGUV5S



FGB67

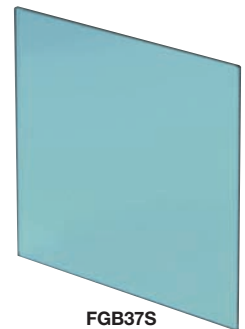


FGB67S



FGB37

6" x 6" Square
Filters Available



FGB37S

Specifications

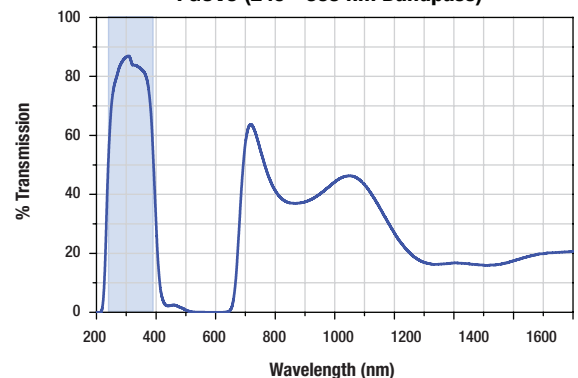
- **Material:** Schott Colored Glass
- **Clear Aperture:** 80% of Area
- **Surface Quality:** 40-20 Scratch-Dig
- **Surface Flatness**
 - $<\lambda/4$ @ 633 nm, Ø25 mm Round
 - $<\lambda/2$ @ 633 nm, 2" Square
 - $<\lambda/4$ @ 632.8 nm over 1", 6" Square
- **Wedge**
 - <3 arcmin, Ø25 mm
 - <3 arcmin, 2" Square
 - <5 arcmin, 6" Square
- **Damage Threshold:**
30 W/cm² (Typical)
- **Dimensions**
 - Round: Ø25 mm
 - Square: 50.8 mm x 50.8 mm (2" x 2")
152.4 mm x 152.4 mm (6" x 6")
- **Dimensional Tolerance**
 - Round: +0.0/-0.2 mm (Diameter)
 - Square: +0.0/-0.4 mm (Side)
- **Thickness**
 - 2 mm, Ø25 mm Round
 - 2 mm, 2" Square
 - 3 mm, 6" Square
- **Thickness Tolerance**
 - Round: +0.0/-0.2 mm
 - Square: +0.0/-0.4 mm

FGUV5 Bandpass Filter

- UG5 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick



FGUV5 (240 - 395 nm Bandpass)



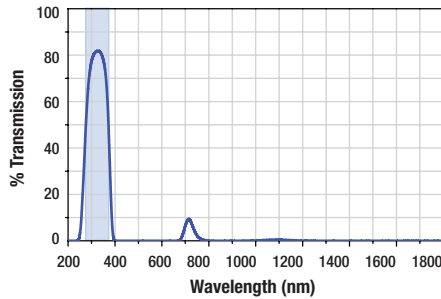
ITEM #	SIZE	\$	£	€	RMB
FGUV5	Ø25 mm	\$ 70.08	£ 50.46	€ 60.97	¥ 558.54
FGUV5S	2" x 2"	\$ 152.48	£ 109.79	€ 132.66	¥ 1,215.27

Bandpass Colored Glass Filters (Page 2 of 2)

FGU11 Bandpass Filter

- UG11 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick

FGU11 (275 - 375 nm Bandpass)

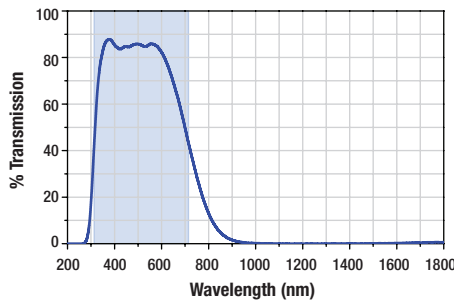


ITEM #	SIZE	\$	£	€	RMB
FGU11	Ø25 mm	\$ 70.08	£ 50.46	€ 60.97	¥ 558.54
FGU11S	2" x 2"	\$ 152.48	£ 109.79	€ 132.66	¥ 1,215.27

FGS900 Bandpass Filter

- KG3 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick
- 6" x 6", 3 mm Thick

FGS900 (315 - 710 nm Bandpass)

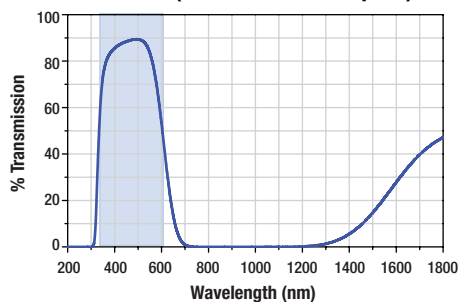


ITEM #	SIZE	\$	£	€	RMB
FGS900	Ø25 mm	\$ 34.64	£ 24.94	€ 30.14	¥ 276.08
FGS900S	2" x 2"	\$ 51.12	£ 36.81	€ 44.47	¥ 407.43
FGS900H	6" x 6"	\$ 380.00	£ 273.60	€ 330.60	¥ 3,028.60

FGB37 Bandpass Filter

- BG40 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick
- 6" x 6", 3 mm Thick

FGB37 (335 - 610 nm Bandpass)

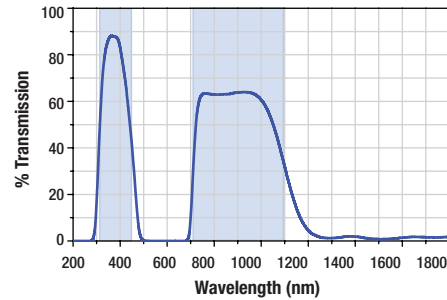


ITEM #	SIZE	\$	£	€	RMB
FGB37	Ø25 mm	\$ 47.76	£ 34.39	€ 41.55	¥ 380.65
FGB37S	2" x 2"	\$ 67.60	£ 48.67	€ 58.81	¥ 538.77
FGB37H	6" x 6"	\$ 360.00	£ 259.20	€ 313.20	¥ 2,869.20

FGB25 Double Bandpass Filter

- BG3 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick

FGB25 (315 - 445 nm and
715 - 1095 nm Bandpass)

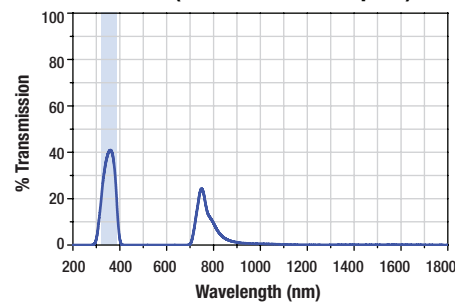


ITEM #	SIZE	\$	£	€	RMB
FGB25	Ø25 mm	\$ 34.64	£ 24.94	€ 30.14	¥ 276.08
FGB25S	2" x 2"	\$ 70.08	£ 50.46	€ 60.97	¥ 558.54

FGUV Bandpass Filter

- UG1 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick

FGUV (325 - 385 nm Bandpass)

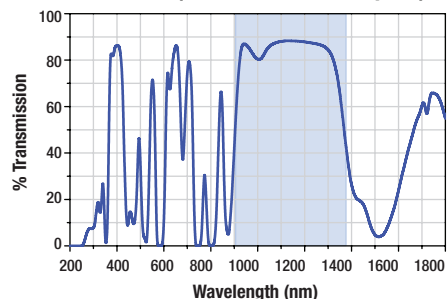


ITEM #	SIZE	\$	£	€	RMB
FGUV	Ø25 mm	\$ 34.64	£ 24.94	€ 30.14	¥ 276.08
FGUVS	2" x 2"	\$ 62.86	£ 45.26	€ 54.69	¥ 500.99

FGB67 Bandpass Filter

- BG36 Schott Glass
- Ø25 mm, 2 mm Thick
- 2" x 2", 2 mm Thick

FGB67 (900 - 1375 nm Bandpass)



ITEM #	SIZE	\$	£	€	RMB
FGB67	Ø25 mm	\$ 34.64	£ 24.94	€ 30.14	¥ 276.08
FGB67S	2" x 2"	\$ 70.08	£ 50.46	€ 60.97	¥ 558.54