

Absorptive ND Glass Filter Series

- Optical Neutral Density Schott Glass Type
- Selectable Optical Density from 0.04 to 5
- No multiple reflections
- 1" Round and 2" Square Available with Low Cost



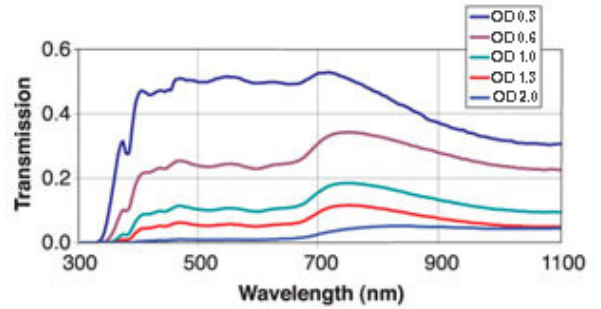
NDF-A-2020U Series
2"x2" square un-mounted

NDF-A-R10M Series
Ø1" round SM1 mounted



APPLICATIONS:

- Imaging component;
- Optical measurement systems
- Sensor systems
- Medical systems
- General experimental setup for low power applications (<1W @ VIS band)



General Specifications:

Substrate Material: Schott neutral density glass
Dimension: Ø25.4mm un-mounted; Ø30mm mounted(1.035"-40 thread ring-mounted)
 50.8mm x 50.8mm Square
Design Wavelength: 400 ~ 700nm
Surface Quality: 60 – 40 scratch and dig(MIL Standard)
Flatness: ≤ λ per inch
Parallelism: ≤ 1'
Optical Density: 14 types (OD = 0.04 ~ 5)

Definition: OD = Log (1/T)
 OD: Optical Density
 T: Transmittance

OD	0.04	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.3	2.0	3.0	4.0	5.0
T(%)	91	79	63	50	40	32	25	16	10	5	1	0.1	0.01	0.001

Density Tolerance: ±5% @ 546nm

Note: Other requests for different OD from this list is available. Users may define the diameter "X", or the length "X" and width "Y" for quotations. Please refer to the ordering information for definition of P/N.

Application Examples:

1. Un-mounted 25mm filter plate compatible to any other φ1" optics mount.;
2. Ring mountable to 6-position ND filter wheel(as shown in the picture);
3. Ring mounted to φ1" filter mount(as shown in the picture);
4. Multiple one-by-one mounted filters in series for high OD wanted:
 e.g. OD0.5 + OD2.0 = OD 2.5

Ordering Information:

P/N Definition: Series No. + OD

Example: "NDF-A-R10M-0.5" means Neutral Density Filter - Absorptive Version - Ø1" round SM1 mounted - OD 0.5
 "NDF-A-R10-2.0" means Neutral Density Filter - Absorptive Version - Ø1" round SM1 un-mounted - OD 2.0
 "NDF-A-RX0-3.0" means Neutral Density Filter - Absorptive Version - ØX" round SM1 un-mounted - OD 3.0
 "NDF-A-2020U-4.0" means Neutral Density Filter - Absorptive Version - 2" x 2" square un-mounted - OD 4.0
 "NDF-A-X0Y0U-0.1" means Neutral Density Filter - Absorptive Version - X" x Y" rectangular un-mounted - OD 0.1
 "NDFK-A-R10M" means Neutral Density Filter Kit (14pcs) - Absorptive Version - Ø1" round SM1 mounted
 "NDFK-A-2020U" means Neutral Density Filter Kit (14pcs) - Absorptive Version - 2" x 2" square un-mounted



Contact Information:

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