

Linear Variable ND Glass Filter Series

- Reflection Type with Durable Coating
- Selectable Optical Density from 0.04 to 4
- Continuously Variable, Linear Attenuation
- Custom Sizes Available
- Low Cost for Instrumentation

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APPLICATIONS:

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

General Specifications:

Substrate Material:	B-270 or BK7 glass
Dimension Tolerance:	± 0.2mm
Parallelism:	< 3 arc min.
Standard Linearity:	± 5% of end density value
Standard Deviation of Density End Point:	± 5% of end density value
Design Wavelength:	400 ~ 700nm
Surface Quality:	60 – 40 scratch and dig (MIL Standard)
Flatness:	≤ λ per inch
Optical Density:	5 types (OD = 0.04 ~ 4)

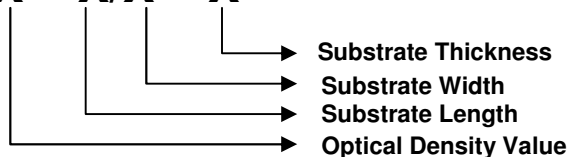
Std Model	Optical Density	Size(mm)
VNDF1.0-3/1-1.6	0.04 ~ 1.0	L76.2 x W25.4 x T1.6
VNDF1.5-3/1-1.6	0.04 ~ 1.5	L76.2 x W25.4 x T1.6
VNDF2.0-3/1-1.6	0.04 ~ 2.0	L76.2 x W25.4 x T1.6
VNDF3.0-3/1-1.6	0.04 ~ 3.0	L76.2 x W25.4 x T1.6
VNDF4.0-3/1-1.6	0.04 ~ 4.0	L76.2 x W25.4 x T1.6

Definition	
OPTICAL DENSITY	TRANSMITTANCE
OD	T
OD = Log (1/T)	

Note: Custom designs for different OD & dimensions from this list are available.

Part Number Definition:

VNDF X – X/X – X



Example: P/N: VNDF2.0-5/2-2 is for OD = 0.04 ~ 2.0, Substrate: L = 5", W = 2", T=2mm

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