

## Direct-attach variable In-Line Filter Holder

### FH-DA



As part of the wide range of direct-attach accessories, Avantes offers the FH-DA series of filter holders. They can hold 0.5 inch filters of 1-8 mm thick.

The filter holders are equipped with two quartz collimating lenses for the UV/VIS/NIR range. Avantes offers a wide range of round 12 mm filters.

The FH-DA is available in two versions: the FH-DA for the AvaLight-XE, AvaLight-DHc and AvaLight-LED. The FH-DA-HAL is designed to work seamlessly with the AvaLight-HAL.

### Technical Data

	FH-DA	FH-DA-HAL-Mini
<b>Wavelength range</b>	200-2500 nm	
<b>Filter Dimensions</b>	Round, 13 mm diameter, 1-8 mm thick	
<b>Fiber connection</b>	SMA-905 connector	
<b>Light source</b>	AvaLight-DHc/XE/LED	AvaLight-HAL-Mini
<b>Light source mounting</b>	SMA-905 thread	UNS thread (remove COL-UV/VIS)
<b>Material</b>	Black anodized aluminum	
<b>Dimensions</b>	44.5 x round 20 mm	37 x 40 x 41 mm

### Separate round filters to install in FH-DA series

<b>GL-WG305-12</b>	Separate 12 x 3 mm long-pass filter > 305 nm
<b>GL-KG3-12</b>	Separate 12 x 3 mm band-pass filter, transparent > 325 nm and < 700 nm
<b>GL-BG28-12</b>	Separate 12 x 3 mm band-pass filter, transparent > 360 nm and < 500 nm
<b>GL-GG385-12</b>	Separate 12 x 3 mm long-pass filter > 385 nm
<b>GL-GG475-12</b>	Separate 12 x 3 mm long-pass filter > 475 nm
<b>GL-OG515-12</b>	Separate 12 x 3 mm long-pass filter > 515 nm
<b>GL-OG550-12</b>	Separate 12 x 3 mm long-pass filter > 550 nm
<b>GL-NG9-1-12</b>	Separate 12 x 1 mm Neutral Density filter, (transmission 10%, 400-1100 nm)
<b>GL-NG9-2-12</b>	Separate 12 x 2 mm Neutral Density filter, (transmission 1%, 400-1100 nm)
<b>GL-NG9-3-12</b>	Separate 12 x 3 mm Neutral Density filter, (transmission 0.1%, 400-1100 nm)

### Ordering Information

<b>FH-DA</b>	• Direct-attach Filter Holder for 12 mm diameter filters, 1-8 mm thick, incl. one UV/VIS collimating lenses
<b>FH-DA-HAL-Mini</b>	• As FH-DA, meant for the AvaLight-HAL-Mini light source.