

滤光玻璃 SFG Filter Glass

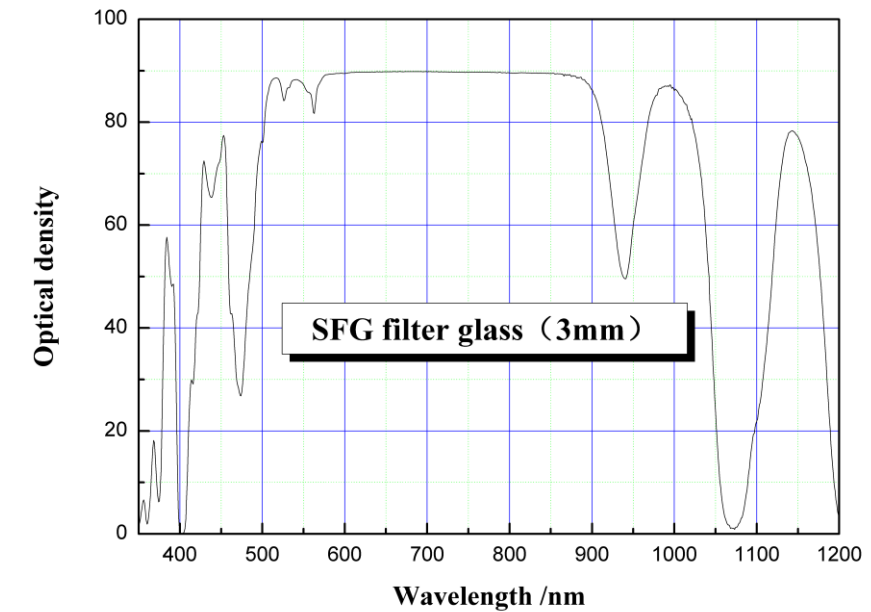
产品介绍 Product Descriptions

SFG型硅酸盐玻璃，可实现对氧化铈和氧化钐的高掺杂(>30wt%)，从而具有高的紫外截至和红外截止能力，即可实现对氙灯光谱的紫外过滤，降低激光增益介质在激光过程中的热积累，也可作为激光波长的吸收，用于高增益介质中的抑制自发寄生振荡，现广泛应用于重频高能激光器中。

SFG-silicate glass has high UV cutoff and infrared cut-off capability, by doping with high concentration of CeO₂ and Sm₂O₃, and can be used as a laser cavity materials to absorb one micron and unwanted UV and IR radiation in high energy laser systems with high repetition rates.

技术指标 Specifications

Specifications	SFG-10
UV Cutoff (5mm, 2% transmission)	350nm
IR Cutoff	2500nm
Nd	1.563
N1053nm	1.570
Abbe value (vd)	56.6
Thermal conductivity (25°C) (W/m. K)	1.1
Coeff. of linear thermal expansion (10 ⁻⁷ /°C) (30-100°C,10 ⁻⁷)	87
Coeff. of linear thermal expansion (10 ⁻⁷ /°C) (30-300°C,10 ⁻⁷)	100
Transformation temp. (°C)	490
Softening temp. (°C)	540
Density (g/cm ³)	2.81
Dw (H ₂ O 98°C 24hr) (wt. mg/cm ²)	0.109



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