

# Deep UV Optical Windows High Damage

## Windows Models

Sizes larger than 50 mm diameter are available on request.

Model	Diameter (mm)	Thickness (mm)
SAP 12.5	12.5	1.5
SAP 25	25	1.5
SAP 25.4	25.4	1.5
SAP 30	30	1.5
SAP 38	38	1.5
SAP 50	50	1.5



Magnesium fluoride optics and other fluoride optics develop color centers and significant decrease in UV transmission after long-term exposure to excimer radiation. This effect is accelerated when the optics are resonator optics which are exposed to the fluorine monoatoms generated by the excimer reaction.

Star Tech Instruments' proprietary composition and coating process produces laser cavity and other optics which are guaranteed to not develop color centers or noticeable loss of performance- **even with high powered 193 nm lasers!**

- **No more cavity optics replacement!**  
Eliminate the expense, downtime, and fluorine gas hazards caused by the need to repeatedly replace magnesium fluoride optics.

High-performance degradation-free lenses, windows, and reflectors are also available.

Standard optics are available up to 60 mm diameter, plane-parallel configuration, with broadband coatings or single wavelength dielectrics from 157 to 351 nm. Please contact us for a quotation for your requirements.

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**Star Tech Instruments**

US Manufacturers of UV Laser Instrumentation since 1989