

Edge Cladding Glass

Product Information

Edge cladding glass is used for active laser materials to absorb light from spontaneous and amplified spontaneous emission. These effects are reducing laser efficiency and can damage the active materials.

Applications

Edge cladding glass can be used for solid state laser and is placed along all of the edges that are not surfaces used for transmitting the amplified laser beam.

Advantages

- Customized design
- High quality consistency
- Good index match to the active laser glass
- High absorption coefficient at laser wavelength

Materials

- Edge cladding glasses for SCHOTT LG laser glasses are available.
- Edge cladding glasses for SCHOTT IOG and SCHOTT APG glasses other solid state laser materials are available upon request.



Lawrence Livermore National Lab

Typical Technical Properties (other values are possible)

Index match to laser glass	+/- 0.003
Absorption coefficient at laser wavelength	0.10 to 0.40 cm ⁻¹
Accuracy of absorption coefficient	+/- 0.02 cm ⁻¹



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