



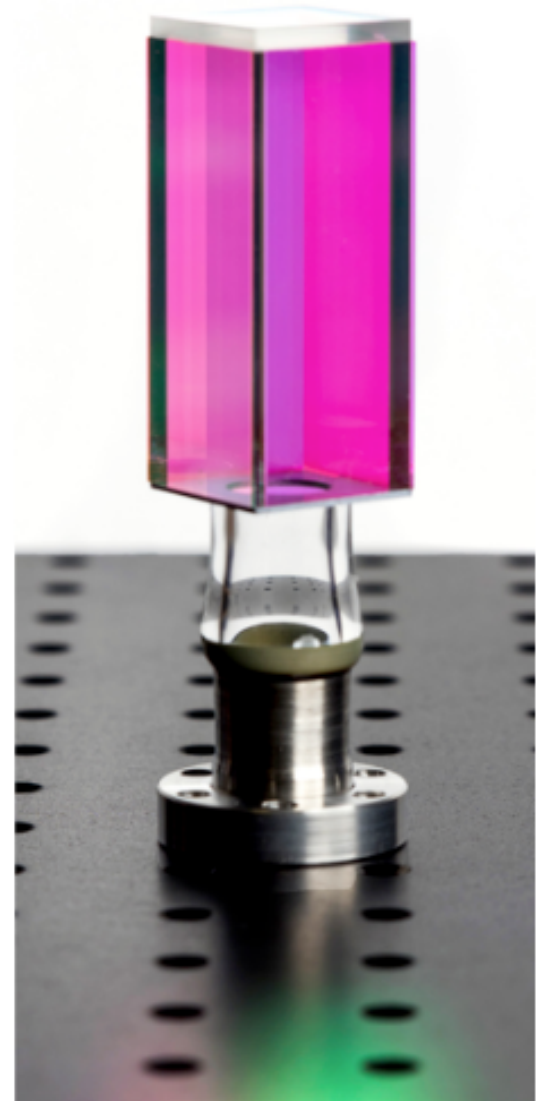
SQUARE AR COATED Cells

Highlights

- Ultrahigh vacuum cell
- Anti-reflection coated on inside and outside surfaces of all cell walls
- Bakeable to high temperatures
- Epoxy-free and frit-free assembly

Product Description

ColdQuanta's high-quality glass cells offer a new level of optical access to in-vacuum experiments. Assembled with an optical contacting process, the cells provide high-quality AR coatings while maintaining very high optical flatness in the cell walls, enabling minimal optical distortion through the cell. The cells are connected to the flange through an anodic bond to a silicon transfer, and have no epoxy or frits, giving them excellent outgassing properties.

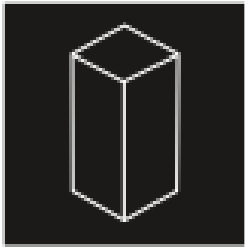


Related Products

miniMOT	CSF-RR CSF-CC
RuBECi	CUR-F20U- XXX
Double MOT	CUD-F20U- XXX
MOT Coil assembly	CAM-CMM
3 axis coil assembly	CAM-C3A

Product Specifications

<u>Optical Flatness</u>	< $\lambda/2$ per cm peak-valley flatness
<u>Wall Thickness</u>	3 ± 0.05 mm
<u>AR Coating</u>	IBS AR coating. Stocked as Broadband (BB) or targeted for rubidium, cesium, potassium, and optical trapping at 1064nm (CRK)
<u>Temperature Range</u>	up to 300 °C
<u>Vacuum Connection</u>	DN16 (1.33") CF flange
<u>Cell Material</u>	Schott Borofloat-33
<u>Vacuum Connection</u>	67 mm x 67 mm x 93 mm



SQUARE AR COATED CELLS

Options

Cell ID dimensions

$D = 20 \pm 0.25 \text{ mm} \times L = 60 \pm 1 \text{ mm}$

Flange

DN16: $H = 48 \pm 2 \text{ mm OAL}$

Product numbers

CCS-202060-A16HB for Rb-K-Cs Coating

CCS-202060-A16KB for Broadband Coating

Mechanical Drawings

