

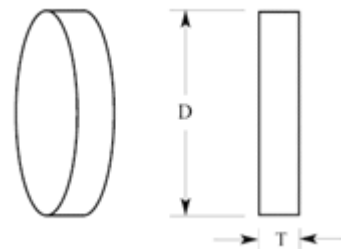
LASER QUALITY WINDOWS

.These windows are intended for use with lasers of all types including high power lasers. The surfaces are polished to laser quality and the material is scatter-free. Three different materials are offered: BK7 optical glass is good for most visible applications but for use in the UV or near IR fused silica is recommended.

Ultiquest Technology offers a standard, high quality fused silica which will meet most requirements or a fluorescence-free UV fused silica which can be used with confidence for excimer laser wavelengths down to 190 nm. Both parallel sided and wedged windows are available. The wedged windows reduce the impact of reflections from the second face of the window. They may be coated with a broadband or laser line anti-reflection coating.

■ Standard Specification:

Optical Material:	See the table
Clear Aperture :	90% of diameter
Wavefront Distortion:	$\lambda/10$ at 633nm
Parallelism:	<30 arc second
Dimension Tolerance :	+0,-0.2 mm
Thickness: :	see the table
Surface Quality:	10-5 scratch and dig,



■ Standard Laser Quality Windows

Dia(mm)	T(mm)	BK7	UV Fused Silica
		Product Number	Product Number
10.0	6.0	UQT-LWDB0101	UQT-LWDF0201
12.7	6.0	UQT-LWDB0102	UQT-LWDF0202
25.0	6.0	UQT-LWDB0103	UQT-LWDF0203
25.4	6.5	UQT-LWDB0104	UQT-LWDF0204
30.0	6.0	UQT-LWDB0105	UQT-LWDF0205
50.0	10.0	UQT-LWDB0106	UQT-LWDF0206

Please Contact [ultiQuest](#) for other dimensions in prototype and production quantities.

NOTES!

- ➔ Be sure to wear laser safety goggles when checking optical path and adjusting optical axis.