

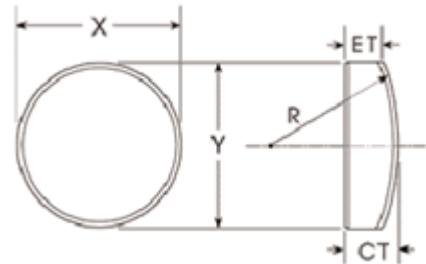
SPHERICAL PLANO-CONVEX MIRROR FOR LASER CAVITY

Spherical mirrors are used to collect and concentrate light at a point. They have a positive focal length equal to half their radius of curvature. BK7 mirror substrates used and these are made to laser standards ($\lambda/10$, 10/5).

A variety of reflective coatings may be applied.

Standard Specifications:

Optical Material:	BK7 A grade glass
Dimension Tolerance:	+0.0,-0.15mm
Clear Aperture:	>90%
Surface Quality:	10-5 scratch and dig
Wavefront Distortion:	$\lambda/10$ at 632.8nm
Bevel:	<0.25mm X 45
Coating	Upon Request



Standard For Spherical Plano-convex Mirrors:

25.0	10.0	3.0	UQT-LPLCX0101
30.0	25.4	6.35	UQT-LPLCX0102
40.0	25.4	6.35	UQT-LPLCX0103
50.0	25.4	6.35	UQT-LPLCX0104
80.0	25.4	6.35	UQT-LPLCX0105
100.0	25.4	6.35	UQT-LPLCX0106
150.0	25.4	6.35	UQT-LPLCX0107
200.0	25.4	6.35	UQT-LPLCX0108
250.0	25.4	6.35	UQT-LPLCX0109
300.0	25.4	6.35	UQT-LPLCX0110
400.0	25.4	6.35	UQT-LPLCX0111
500.0	25.4	6.35	UQT-LPLCX0112

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

NOTES!

- The surface flatness is the reflected wavefront distortion of the surface before coating.
- Be sure to wear laser safety goggles when checking optical path and adjusting optical axis.