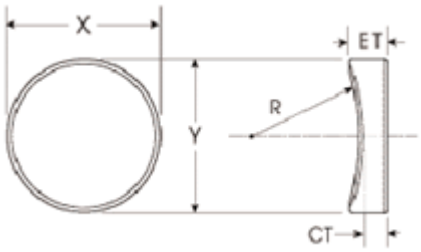
SPHERICAL PLANO-CONCAVE MIRROR FOR LASER CAVITY

Spherical mirrors are used to collect and concentrate light at a point. They have a negative focal length equal to half their radius of curvature. BK7 mirror substrates used and these are made to laser standards (λ/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 Reuqest



Standard For Spherical Plano-concave Mirrors:

-25.0	10.0	3.0	UQT-LPLCA0101
-25.0	25.4	6.35	UQT-LPLCA0102
-30.0	10.0	3.0	UQT-LPLCA0103
-30.0	25.4	6.35	UQT-LPLCA0104
-40.0	10.0	3.0	UQT-LPLCA0105
-40.0	25.4	6.35	UQT-LPLCA0106
-50.0	10.0	3.0	UQT-LPLCA0107
-50.0	25.4	6.35	UQT-LPLCA0108
-80.0	10.0	3.0	UQT-LPLCA0109
-80.0	25.4	6.35	UQT-LPLCA0110
-100.0	10.0	3.0	UQT-LPLCA0111
-100.0	25.4	6.35	UQT-LPLCA0112
-150.0	10.0	3.0	UQT-LPLCA0113
-150.0	25.4	6.35	UQT-LPLCA0114
-200.0	10.0	3.0	UQT-LPLCA0115
-200.0	25.4	6.35	UQT-LPLCA0116
-250.0	10.0	3.0	UQT-LPLCA0117
-250.0	25.4	6.35	UQT-LPLCA0118
-300.0	10.0	3.0	UQT-LPLCA0119
-300.0	25.4	6.35	UQT-LPLCA0120
-400.0	10.0	3.0	UQT-LPLCA0121
-400.0	25.4	6.35	UQT-LPLCA0122
-500.0	10.0	3.0	UQT-LPLCA0123
-500.0	25.4	6.35	UQT-LPLCA0124

Please Contact ultiQuest for other dimensions in prototype and production quantities.

NOTES!

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