

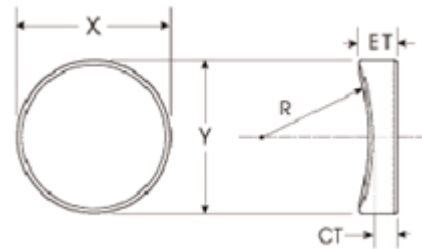
# GALLIUM ARSENIDE(GaAs) PLANO-CONCAVE LENSES

Gallium arsenide plano-concave lenses have a very low absorption in the infra-red. Negative focusing GaAs lenses are perfect for thermal imaging and Carbon Dioxide laser focusing applications.

We supply uncoated but a range of anti-reflection coatings can be applied as well.

## Standard Specifications:

Optical Material:	Gallium arsenide
Diameter Tolerance:	+0.0, -0.15mm
Design Wavelength:	10.6um
Design Index:	4.0028 at 10.6um
Paraxial Focal Length:	±2%
Centration:	3 arc minutes
Clear Aperture:	>85%
Surface Quality:	60-40 scratch and dig
Wavefront Distortion:	lambda/2 at 632.8nm
Bevel:	<0.25mm X 45°
Coating:	available upon request



## Standard GaAs Plano-Concave Lenses:

Dia (mm)	EFL (mm)	R1 (mm)	Tc (mm)	Te (mm)	Part Number
25.4	-38.1	86.65	2.9	2.0	UQT-PLCAA0201
25.4	-50.8	115.53	2.7	2.0	UQT-PLCAA0202
25.4	-63.5	144.42	2.6	2.0	UQT-PLCAA0203
25.4	-76.2	173.30	2.5	2.0	UQT-PLCAA0204
38.1	-50.8	115.53	4.6	3.0	UQT-PLCAA0205
38.1	-63.5	144.42	4.3	3.0	UQT-PLCAA0206
38.1	-76.2	173.3	4.0	3.0	UQT-PLCAA0207
38.1	-127.0	288.83	3.6	3.0	UQT-PLCAA0208
38.1	-190.5	433.25	3.4	3.0	UQT-PLCAA0209
50.8	-127.0	288.83	7.1	6.0	UQT-PLCAA0210
50.8	-190.5	433.25	6.7	6.0	UQT-PLCAA0211
50.8	-254.0	577.67	6.5	6.0	UQT-PLCAA0212

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.