

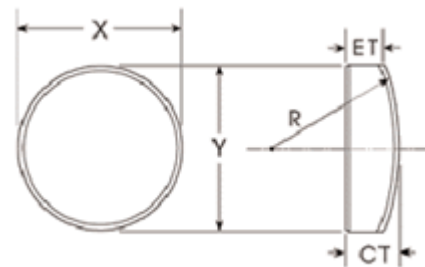
GALLIUM ARSENIDE(GaAs) PLANO-CONVEX LENSES

Gallium arsenide plano-convex lenses have a very low absorption in the infra-red. Positive 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-Convex Lenses:

Dia(mm)	EFL (mm)	R1 (mm)	Tc (mm)	Te (mm)	Part Number
25.4	38.1	86.65	2.9	2.0	UQT-PLCXA0101
25.4	50.8	115.53	2.7	2.0	UQT-PLCXA0102
25.4	63.5	144.42	2.6	2.0	UQT-PLCXA0103
25.4	76.2	173.30	2.5	2.0	UQT-PLCXA0104
38.1	50.8	115.53	4.6	3.0	UQT-PLCXA0105
38.1	63.5	144.42	4.3	3.0	UQT-PLCXA0106
38.1	76.2	173.3	4.0	3.0	UQT-PLCXA0107
38.1	127.0	288.83	3.6	3.0	UQT-PLCXA0108
38.1	190.5	433.25	3.4	3.0	UQT-PLCXA0109
50.8	127.0	288.83	7.1	6.0	UQT-PLCXA0110
50.8	190.5	433.25	6.7	6.0	UQT-PLCXA0111
50.8	254.0	577.67	6.5	6.0	UQT-PLCXA0112

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.