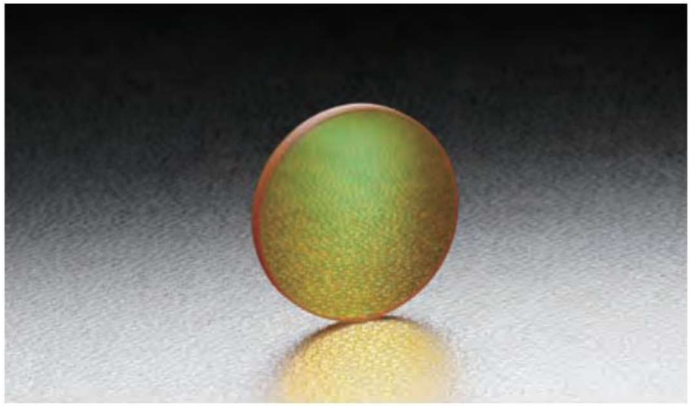
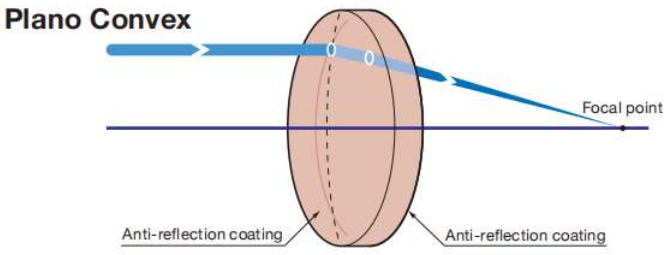
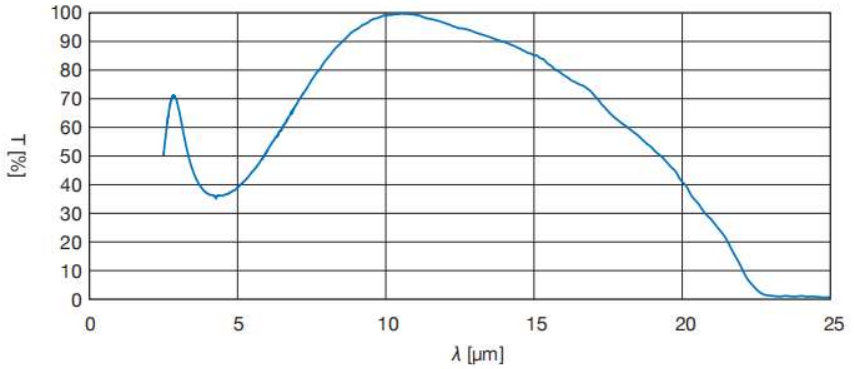
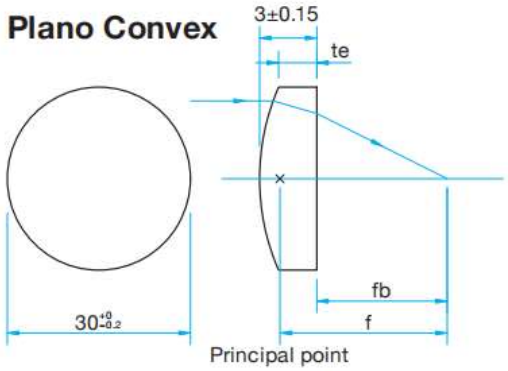
Plano Convex Lens for CO2 Lasers | OP-L-PXZS



Material	ZnSe crystal
Design wavelength	10.6μm
Coating	AR coating (both surfaces)
Transmittance	99%or more
Centration	<3′
Surface Quality (Scratch-Dig)	40-20







Part Number	Focal length f [mm]	Edge thickness te [mm]	Center thickness fb [mm]	Radius of curvature r [mm]
OPLPXZS-30-100CO2	100	2.2	98.8	140.3
OPLPXZS-30-150CO2	150	2.5	148.8	210.5
OPLPXZS-30-200CO2	200	2.6	198.8	280.6

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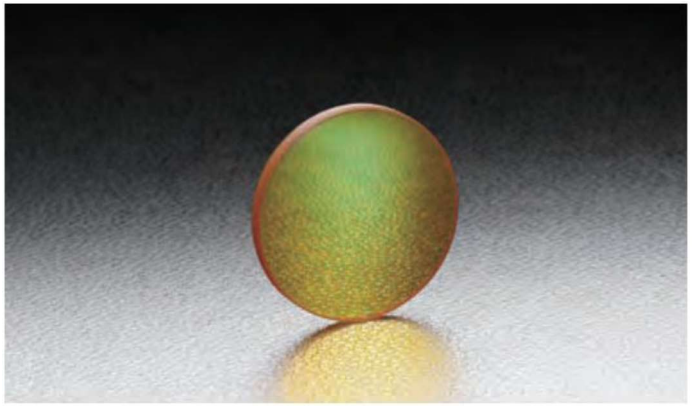
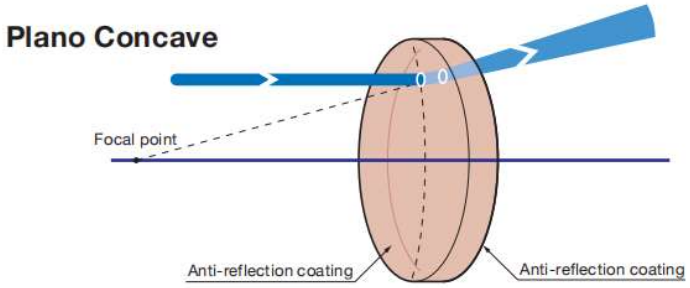
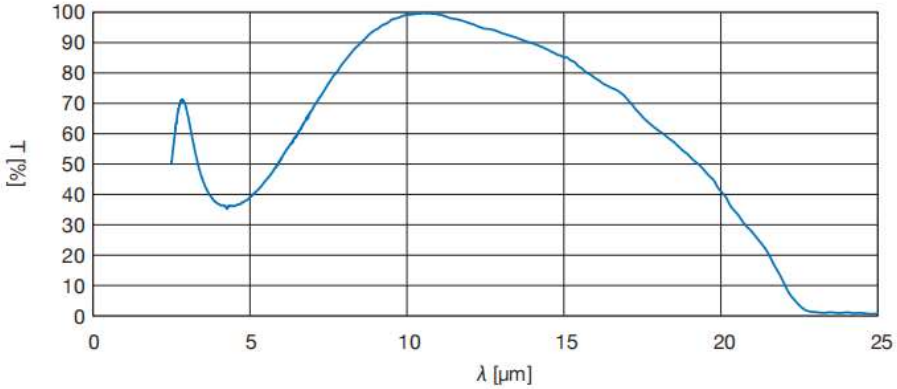
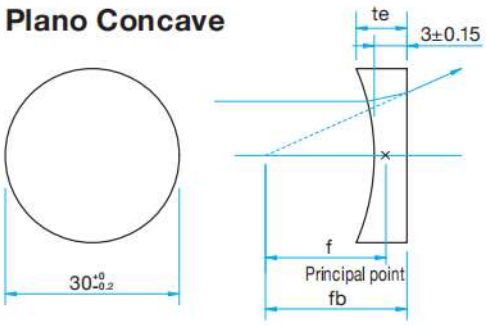


Material	ZnSe crystal
Design wavelength	10.6μm
Coating	AR coating (both surfaces)
Transmittance	99%or more
Centration	<3′
Surface Quality (Scratch-Dig)	40-20





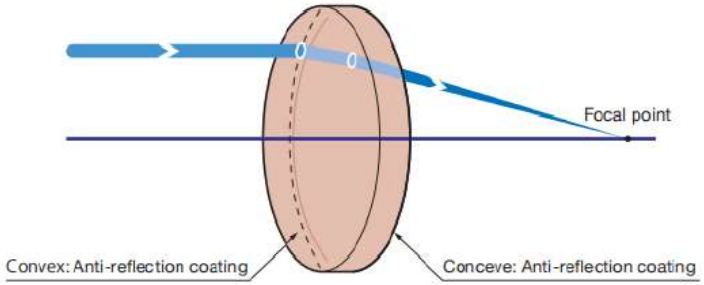


Part Number	Focal length f [mm]	Edge thickness te [mm]	Center thickness fb [mm]	Radius of curvature r [mm]
OPLPXZS-30-50CO2	-50	4.6	-51.2	-70.2

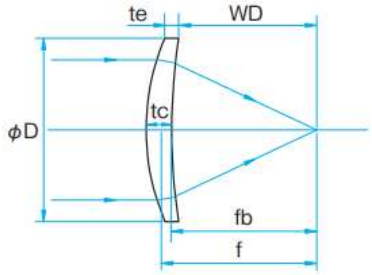
Meniscus Lens for CO2 Laser | OP-L-MZS

Material	ZnSe
Design Wavelength	10.6μm
Refractive Index	2.403
Centration	<3′
Coating	AR coating(Wavelength 10.6μm) (Diameter of φ25.4mm is wavelength of 650nm and 10.6μm)
Clear Aperture	90%of diameter
Surface Quality (Scratch-Dig)	40-20

Schematic



Outline Drawing (in mm)



●Tolerance

Diameter	$\phi D^{+0}_{-0.1}$
Thickness	te ±0.1
Focal length	±1.5%

Part Number	Diameter φD [mm]	Focal length f [mm]	Edge thickness te [mm]	Center thickness tc [mm]	Back focal length fb [mm]	WD [mm]
OPLMZS-19-38.1PCO2	φ19.05	38.1	2.0	2.85	36.1	35.6
OPLMZS-19-50.8PCO2	φ19.05	50.8	2.0	2.64	49.0	48.6
OPLMZS-19-63.5PCO2	φ19.05	63.5	2.0	2.51	61.8	61.5
OPLMZS-20-38.1PCO2	φ20.00	38.1	2.0	2.94	36.1	35.5
OPLMZS-20-50.8PCO2	φ20.00	50.8	2.0	2.70	48.9	48.5
OPLMZS-20-63.5PCO2	φ20.00	63.5	2.0	2.58	61.7	61.4
OPLMZS-25.4-38.1PCO2	φ25.40	38.1	3.0	4.52	35.0	34.1
OPLMZS-25.4-63.5PCO2	φ25.40	63.5	3.0	3.91	60.9	60.3