

PLANO-CONVEX MICROLENSES

These lenses are useful in fiber coupling, micro laser systems and medical applications.



Fused Silica UV Grade (SiO₂)

Material	Fused Silica UV Grade
Diameter tolerance	+0,-0.002" (+0,-0.05 mm)
Center Thickness tolerance	±0.004" (±0.1 mm)
Design Wavelength	546 nm
Focal Length Tolerance	±3%
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	< 6 arc min

CAT#	DIA, in	DIA, mm	FOC, mm	CT, mm	ET, mm	R, mm
QU-PXM-2-3.0	0.08	2.0	3.0	0.9	0.47	1.393
QU-PXM-2-4.0	0.08	2.0	4.0	0.8	0.5	1.836
QU-PXM-4-6.0	0.16	4.0	6.0	1.4	0.54	2.754
QU-PXM-4-8.0	0.16	4.0	8.0	1.1	0.5	3.698
QU-PXM-4-10.0	0.16	4.0	10.0	1.0	0.54	4.571

Germanium (Ge)

Material	Germanium
Diameter tolerance	+ 0,-0.002" (+0,-0.05 mm)
Center Thickness tolerance	±0.004" (±0.1 mm)
Design Wavelength	10.6 microns
Focal Length Tolerance	±3%
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	< 6 arc min

CAT #	DIA, in	DIA, mm	FOC, mm	CT, mm	ET, mm	R, mm
GE-PXM-2-1.5	0.08	2.0	1.5	0.6	0.48	4.500
GE-PXM-2-2.0	0.08	2.0	2.0	0.6	0.51	6.000
GE-PXM-2-3.0	0.08	2.0	3.0	0.6	0.54	9.000
GE-PXM-2-4.0	0.08	2.0	4.0	0.6	0.55	12.203
GE-PXM-4-4.0	0.16	4.0	4.0	0.7	0.53	12.203
GE-PXM-4-6.0	0.16	4.0	6.0	0.6	0.48	18.010
GE-PXM-4-8.0	0.16	4.0	8.0	0.6	0.51	24.040
GE-PXM-4-10.0	0.16	4.0	10.0	0.6	0.53	30.060

Custom sizes and specifications are available