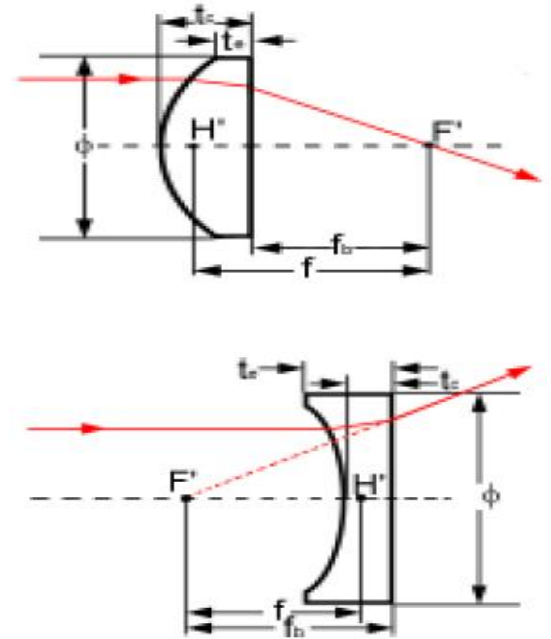


SAPPHIRE LENSES

Specifications:

Material	Optical Grade Sapphire Crystal
Design Wavelength	546.1nm
Design Index	1.771 @ 546.1nm
Diameter Tolerance	+0.0, -0.15mm
Paraxial Focal Length	$\pm 2\%$
Centration	3 arc minutes
Clear Aperture	>80%
Surface Irregularity	$\lambda/4$ per 25mm at 632.8nm
Surface Quality	60-40 scratch and dig



SAPPHIRE PLANO-CONVEX LENSES

Part No.	f(mm)	ϕ (mm)	R_1 (mm)	t_c (mm)	t_e (mm)	f_b (mm)
PCX2201	10.0	10.0	7.71	3.8	2.0	7.9
PCX2202	20.0	10.0	15.42	2.8	2.0	18.4
PCX2203	25.0	10.0	19.28	2.7	2.0	23.5

SAPPHIRE PLANO-CONCAVE LENSES

Part No.	f(mm)	ϕ (mm)	R_1 (mm)	t_c (mm)	t_e (mm)	f_b (mm)
PCV2203	25.0	10.0	-19.28	2.0	2.7	23.9
PCV2301	50.0	20.0	-38.55	2.0	3.3	48.9
PCV2302	100.0	20.0	-77.10	2.0	2.7	98.9

