

ASPHERICAL LENS

Aspherical lenses built by precision molding are used in Digital Still Cameras, pick up lenses and optical communication.

We are able to supply aspheric lenses from 1mm to over 50mm in diameter and to mold very precise lens at Ra0.003 μ m.



Specifications

Diameter	\varnothing 1mm - \varnothing 50mm
Center Thickness	0.5mm - 20mm
Forms	Bi-convex Double-concave Meniscus
Radius curvature	0,6mm - ∞
Coating	AR coating Others upon request

•Lens custom made to your specification

Accuracy

Parameter	Standard Value	Actual Value
Diameter	\pm 0.02mm	\pm 0.005mm
Center Thickness	\pm 0.03mm	\pm 0.005mm
Deviation and Irregularity *	3(1)	1(0.5)
PV Error	P-V= $<$ 1 μ m	P-V= $<$ 0.5 μ m
Decentricity	1'	0.2'
Surface Roughness	Ra 0.005 μ m	Ra 0.003 μ m

•Accuracy depends on size and form of lens.

*According to ISO10110