

Aspherical Lens specification

SHAPE

CONCAVE LENS

THICKNESS [mm]	SHAPE	DIAMETER [mm]				
		$\phi 4 \sim \phi 7$	$\sim \phi 10$	$\sim \phi 13$	$\sim \phi 16$	$\sim \phi 20$
	BOTH-SIDED				≤ 0.3	
ONE-SIDED		≤ 0.6		0.7		0.9

※When diameter is less than 4 mm, angle of the lens is over 55 degree, flat surface is guranteed by mold, edge thickness difference and thickness ratio is over 5.5, we will do special adjustment according to sit

CONVEX LENS

EDGE THICKNESS DIFFERENCE T[mm]	MATERIALS	LANDSCAPE	DIAMETER [mm]				
			$\phi 4 \sim \phi 7$	$\sim \phi 10$	$\sim \phi 13$	$\sim \phi 16$	$\sim \phi 20$
	L-BAL42 L-BSL7 L-BAL35	YES		≤ 0.5	≤ 0.6		≤ 0.7
	NO		≤ 0.5		≤ 0.6		≤ 0.8
L-LAM60	YES			≤ 0.6		≤ 0.7	≤ 0.8
L-LAH53	NO			≤ 0.6		≤ 0.7	≤ 0.8
L-LAL13	YES		≤ 0.7		≤ 0.8	≤ 1	-
L-LAH85V	NO		≤ 0.7		≤ 0.8	≤ 1	-
S-FPL51	YES		≤ 0.7		≤ 0.8	≤ 1.8	-
L-BBH1	NO		≤ 0.7		≤ 0.8	≤ 1.8	-

※When diameter is less than 4 mm, lens chamfer is over 55 degree, one side's landscape width > edge thickness diference we will do special adjustment according to situation

SPECS

CONCAVE LENS

QUALITY CATAGORIES		DIAMETER [mm]				
		$\phi 4 \sim \phi 7$	$\sim \phi 10$	$\sim \phi 13$	$\sim \phi 16$	$\sim \phi 20$
PV		0,15			0,30	
NR		± 2			± 3	
AS		0,30			0,50	
THK. ALLOWANCE	[mm]			± 0.020		
THRUST(PRESS)	[mm]			0,005		
THRUST(CENTERING)	[mm]			0,010		
TILT	[']			1,5		
DECENTER				10		

※Above numbers are caculated from design data's smallest allowance by using polynomial

CONVEX LENS

QUALITY CATAGORIES		DIAMETER [mm]				
		$\phi 4 \sim \phi 7$	$\sim \phi 10$	$\sim \phi 13$	$\sim \phi 16$	$\sim \phi 20$
PV				0,15		0,25
NR			± 2		± 3	± 4
AS			0,30		0,40	0,5
THK. ALLOWANCE	[mm]			± 0.020		
THRUST(PRESS)	[mm]			0,005		
THRUST(CENTERING)	[mm]			0,010		
TILT	[']			1,5		
DECENTER				10		

※Above numbers are caculated from design data's smallest allowance by using polynomial