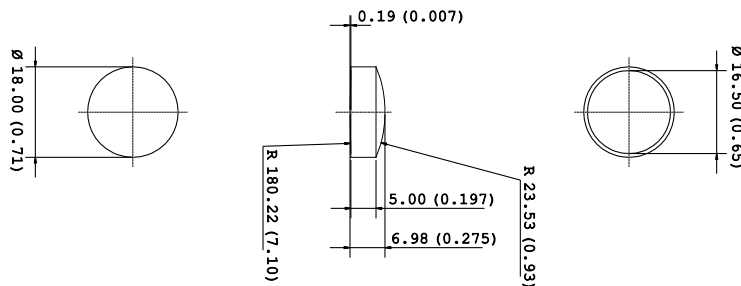


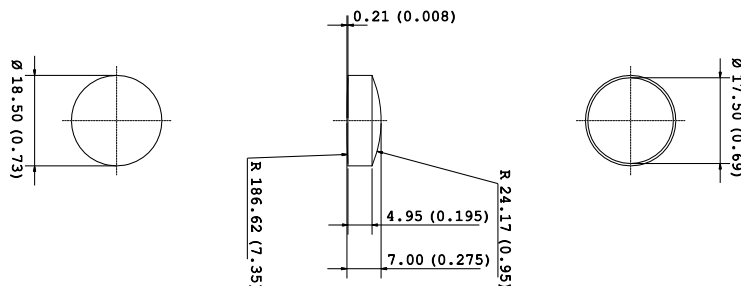
KEB180 Biconvex Lenses Ø 18,00 mm.

Code	KEB18001B	KEB18003B	KEB18004B	KEB18006B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	18,00	18,00	18,00	18,00
d (mm)	16,50	16,50	16,50	16,50
S (mm)	0,75	0,75	0,75	0,75
t (mm)	7,00	7,00	7,00	7,00
h (mm)	5,00	5,00	5,00	5,00
Lambda (nm)	550	850	550	380
EFFL (mm)	37,1	38,3	44,7	43,2
BFL (mm)	34,1	35,2	40,6	39,2



KEB185 Biconvex Lenses Ø 18,50 mm.

Code	KEB18501B	KEB18503B	KEB18504B	KEB18506B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	18,50	18,50	18,50	18,50
d (mm)	17,50	17,50	17,50	17,50
S (mm)	0,50	0,50	0,50	0,50
t (mm)	7,00	7,00	7,00	7,00
h (mm)	4,95	4,95	4,95	4,95
Lambda (nm)	550	850	550	380
EFFL (mm)	38,3	39,5	43,9	42,4
BFL (mm)	35,3	36,4	40,8	39,4



		PC	PC IR	PMMA	PMMA UV
Transmission Factor for transparent material	%	89	-	92	-
Refractive index		1.586	1.586	1.49	1.49
Haze for transparent material	%	< 0.8	-	< 0.5	< 0.5
Tensile modulus	MPa	2400	2400	3300	3300
Yeld stress	MPa	65*	65*	77**	77**
Yeld strain	MPa	6.0*	6.0*	5.5**	5.5**
Glass transition temperature	°C	145	148	117	117
Temperature of deflection under load (1.8 Mpa)	°C	124	125	98	98
Temperature of deflection under load (0.45 Mpa)	°C	137	137	103	103
Density	Kg/m3	1200	1200	1190	1190

* 50 mm/min

** 5 mm/min

Geometric Tolerance

t $t \pm 0,05\%$

R $R \pm 3\%$

D $D \begin{matrix} +0,00 \\ -0,1 \end{matrix}$

EFFL $EFFL \pm 5\%$

BFL $BFL \pm 5\%$