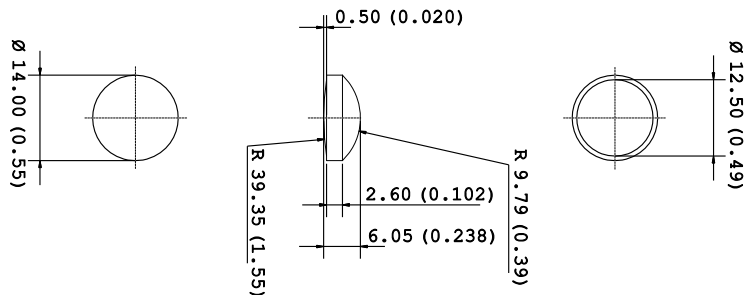


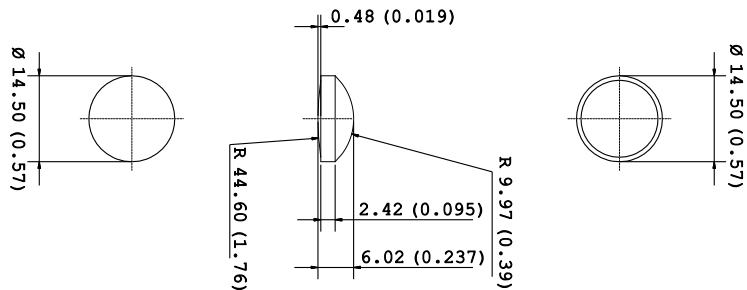
KEB140 Biconvex Lenses Ø 14,00 mm.

Code	KEB14001B	KEB14003B	KEB14004B	KEB14006B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	14,00	14,00	14,00	14,00
d (mm)	12,50	12,50	12,50	12,50
S (mm)	0,75	0,75	0,75	0,75
t (mm)	6,00	6,00	6,00	6,00
h (mm)	2,60	2,60	2,60	2,60
Lambda (nm)	550	850	550	380
EFFL (mm)	16,7	17,2	17,1	16,5
BFL (mm)	13,4	13,9	15,3	14,7



KEB145 Biconvex Lenses Ø 14,50 mm.

Code	KEB14501B	KEB14503B	KEB14504B	KEB14506B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	14,50	14,50	14,50	14,50
d (mm)	13,00	13,00	13,00	13,00
S (mm)	0,75	0,75	0,75	0,75
t (mm)	6,00	6,00	6,00	6,00
h (mm)	2,42	2,42	2,42	2,42
Lambda (nm)	550	850	550	380
EFFL (mm)	16,1	16,6	17,1	16,5
BFL (mm)	14,1	14,6	14,9	14,4



		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 $BFL \pm 5\%$