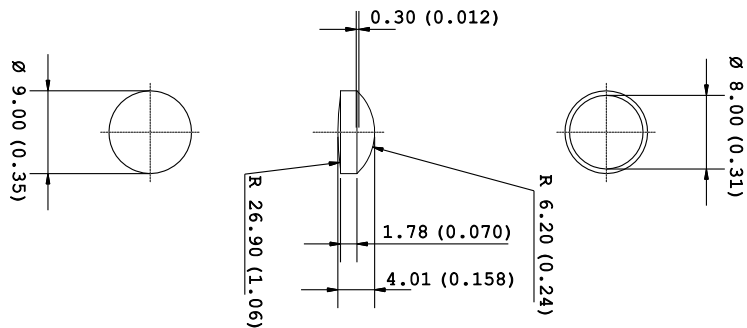


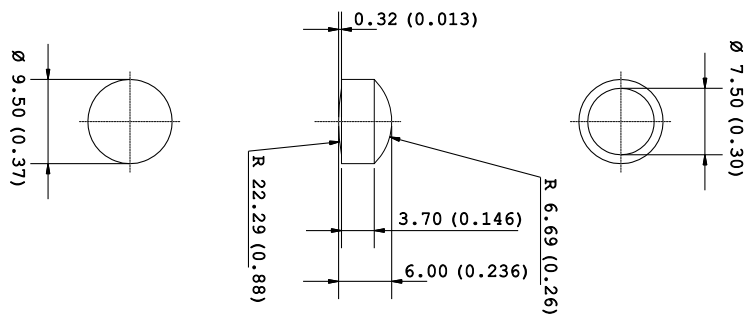
KEB090 Biconvex Lenses Ø 9,00 mm.

Code	KEB09001B	KEB09003B	KEB09004B	KEB09006B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	9,00	9,00	9,00	9,00
d (mm)	8,00	8,00	8,00	8,00
S (mm)	0,50	0,50	0,50	0,50
t (mm)	4,00	4,00	4,00	4,00
h (mm)	1,78	1,78	1,78	1,78
Lambda (nm)	550	850	550	380
EFFL (mm)	11,5	11,9	12,6	12,2
BFL (mm)	9,0	9,3	9,9	9,6



KEB095 Biconvex Lenses Ø 9,50 mm.

Code	KEB09501B	KEB09503B	KEB09504B	KEB09506B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	9,50	9,50	9,50	9,50
d (mm)	7,50	7,50	7,50	7,50
S (mm)	1,00	1,00	1,00	1,00
t (mm)	6,00	6,00	6,00	6,00
h (mm)	3,70	3,70	3,70	3,70
Lambda (nm)	550	850	550	380
EFFL (mm)	10,8	11,1	11,3	10,9
BFL (mm)	7,3	7,5	9,2	8,9



		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 $BFL \pm 5\%$