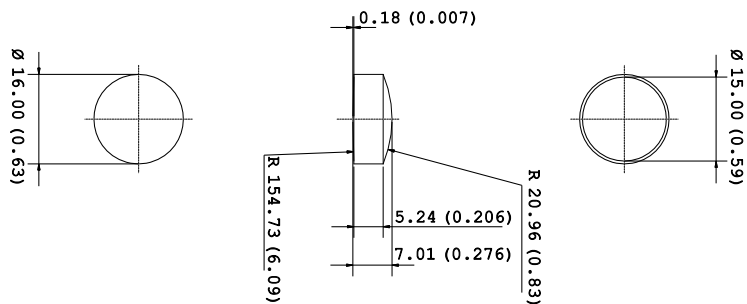


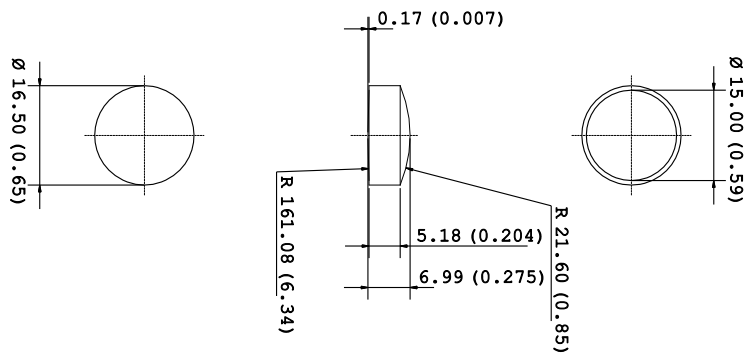
**KEB160 Biconvex Lenses Ø 16,00 mm.**

Code	KEB16001B	KEB16003B	KEB16004B	KEB16006B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	16,00	16,00	16,00	16,00
d (mm)	15,00	15,00	15,00	15,00
S (mm)	0,50	0,50	0,50	0,50
t (mm)	7,00	7,00	7,00	7,00
h (mm)	5,24	5,24	5,24	5,24
Lambda (nm)	550	850	550	380
EFFL (mm)	34,2	35,3	40,3	39,0
BFL (mm)	31,5	32,5	38,2	37,0



**KEB165 Biconvex Lenses Ø 16,5 mm.**

Code	KEB16501B	KEB16503B	KEB16504B	KEB16506B
Material	PC	PC IR	PMMA	PMMA UV
D (mm)	16,50	16,50	16,50	16,50
d (mm)	15,00	15,00	15,00	15,00
S (mm)	0,75	0,75	0,75	0,75
t (mm)	7,00	7,00	7,00	7,00
h (mm)	5,18	5,18	5,18	5,18
Lambda (nm)	550	850	550	380
EFFL (mm)	34,0	35,1	36,5	35,3
BFL (mm)	31,3	32,3	34,2	33,0



		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**       $BFL \pm 5\%$