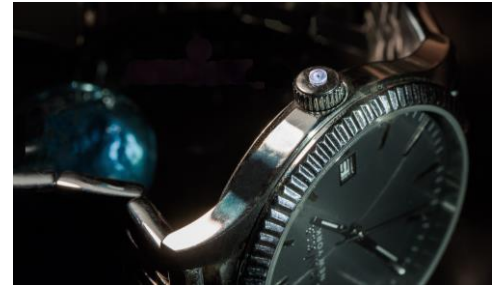




Sizes + Tolerances

Nominal Values for Micro Component Tolerances

Major Dimension <1-3 mm	Windows	Lenses	Prisms
Dimensional:	±0.01mm	±0.01mm	±0.01mm
Parallelism/wedge/centration:	10sec	2min	<10sec
Surface form, ISO:	3/0.5(0.50)	3/0.5(0.50)	3/0.5(0.50)
Optical surfaces, ISO:	5/2 X0.016	5/3X0.016	5/2X0.016
Chip:	< 20µm	< 20µm	< 20µm
Chamfer control:	± 10µm	± 10µm	± 10µm



Nominal Values for Miniature Component Tolerances

Major Dimension 3-5 mm	Windows	Lenses	Prisms
Dimensional:	±0.02mm	±0.02mm	± 0.02mm
Parallelism/wedge/centration:	10sec	2min	<10sec
Surface form, ISO:	3/0.5(0.25)	3/0.5(0.25)	3/0.5(0.25)
Optical surfaces, ISO:	5/2X0.04	5/3X0.04	5/2X0.04
Chip:	< 30µm	< 30µm	< 30µm
Chamfer control:	±20µm	±20µm	±20µm



Nominal Values for Conventional Component Tolerances

Major Dimension >5 mm	Windows	Lenses	Prisms
Dimensional:	±0.1mm	± 0.1 mm	± 0.1 mm
Parallelism/wedge/centration:	10sec	2min	<10sec
Surface figure:	λ/10	λ/4	λ/10
Optical surfaces, Mil-spec:	10-5	20-10	20-10
Optical surfaces, ISO:	5/2X0.063	5/3X0.063	5/2X0.063
Chip:	< 50µm	< 50µm	< 50µm
Chamfer control:	±50µm	±50µm	±50µm

