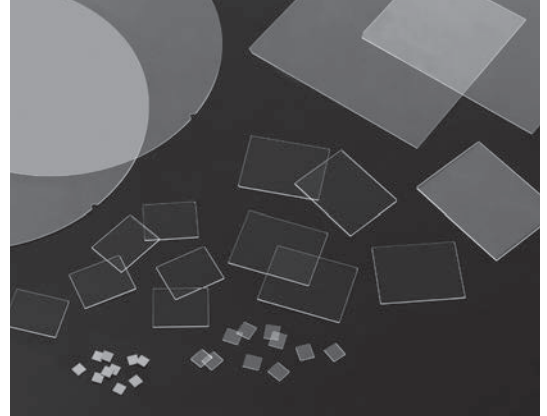


Flat Glass for Electronic Devices

We offer flat glass with various properties for electronic devices. You can choose the glass that is most suitable for the purpose of use.

Features

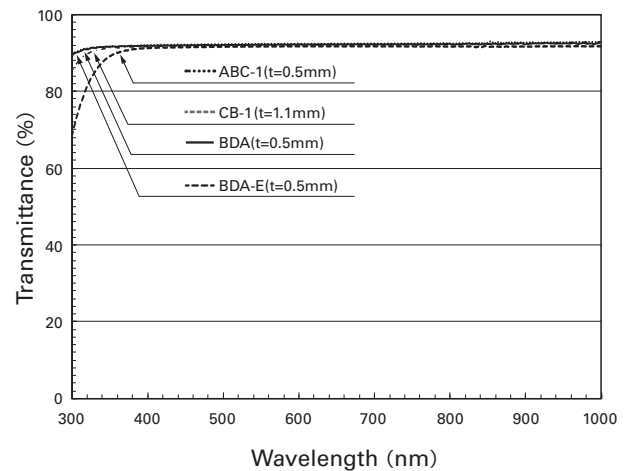
- High quality glass is manufactured using advanced technology.
 - Technology for achieving very smooth glass surfaces
 - Technology to achieve higher surface cleanliness
- BDA-E with excellent chemical resistance can be used for a wide range of electronic devices.
- CB-1 with a thickness of 1.1 mm can be used for a wide range of electronic devices.
- ABC-1 is a low expansion alkali-free glass.
- BDA is a glass exclusively developed not to influence the pixels of high-density image sensors.



Properties

Properties/Glass Code			BDA-E	CB-1	ABC-1	BDA
Coefficient of thermal expansion	30-380°C	$\times 10^{-7}/K$	69	75	37	66
Strain point		°C	530	525	685	540
Annealing point		°C	570	560	745	575
Dielectric constant	1MHz, 25°C		6.8	6.9	5.6	6.5
$\tan \delta$	1MHz, 25°C	$\times 10^{-4}$	100	100	10	100
Hydrolytic resistance	JIS R3502	R ₂ Omg	0.05	0.08	<0.01	0.07
Light transmittance	$\lambda=500\text{nm}$, $t=0.5\text{mm}$	%	92	92	92	92
Refractive index (n_d)			1.52	1.51	1.53	1.51
Density		$\times 10^3\text{kg/m}^3$	2.46	2.47	2.52	2.44

Transmittance



Dimension example

	Dimensions	Thickness	Tolerance of thickness
BDA-E	2×2mm-360×440mm	0.1-1.1mm	±0.01- ±0.1mm
CB-1		1.1mm	
ABC-1	Φ100-300mm	0.3-0.5mm	
BDA	2×2mm-50×50mm	0.3-0.7mm	

Various optical coatings can be designed as requested.