

High Laser Durability Synthetic Quartz Crystal

■Feature

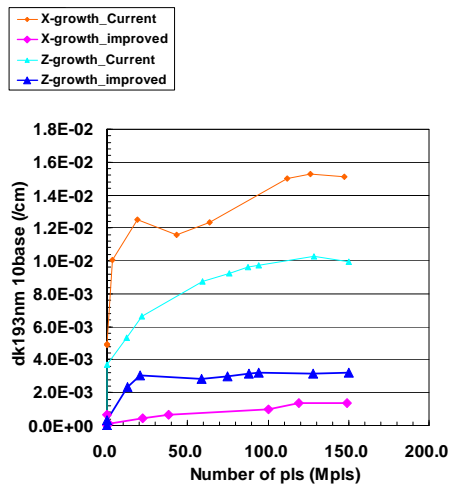
High ArF laser durability synthetic quartz crystal was launched by co-developing with Asahi Glass Co.,Ltd.

Comparing the improved crystal with the conventional one even under the sever irradiation condition up to 200M Pluse at 60 mj/cm²,the induced absorption at 193nm of improved one has been decreased by 1/5(fig.1),while the induced absorption at 470nm(fig.2) is reduction of factor 6. In addition,the improved crystal does not show any coloring after ArF irradiation.



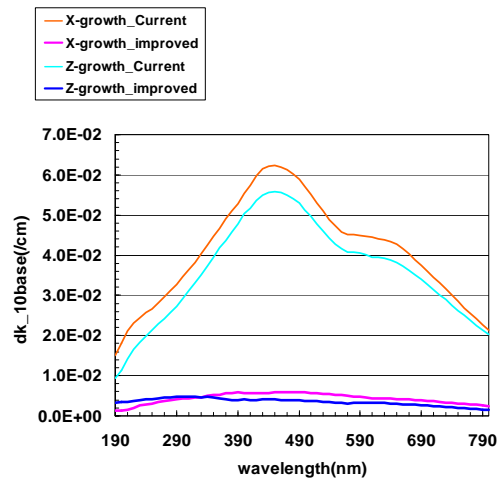
■Fig.1

**Durability to ArF irradiation
conventional and improvement crystal**



■Fig.2

Dk spectra after ArF irradiation



■Standard Specifications

	3-inch	4-inch	6-inch
Diameter	76.2	101.6	152.4
Thickness	0.25T~	0.35T~	0.50T~
Orientation Flat Length	22.0	32.0	40.0
Cutting Direction	X-cut,Z-cut	X-cut,Z-cut	X-cut,Z-cut

Unit:mm

Note : Modified specifications are available upon request for specific applications.
The ordering number will be obtained separately by customer's

■About the sales contact

About this material, Tokyo Denpa takes charge of the production of synthetic quartz crystal and Asahi Glass of polishing and evaluation and sales. After your inquiry,please let us introduce the contact person with Asahi Glass Co.,Ltd.