

NLO Crystals

Polarizers

Pockels Cells

Wave plates

Laser Crystals

Birefringent Crystals

Optical Crystals

E-O/A-O Crystals

In Stock

Customized Optics

Get a quote

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FAQs

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KDP, DKDP and ADP Crystal and Devices

KDP, Potassium Dihydrogen Phosphate (KH_2PO_4), and its isomorphous single crystals, Deuterated Potassium Phosphate, known as DKDP or KD^*P (KD_2PO_4), and Ammonium Dihydrogen Phosphate, known as ADP ($\text{NH}_4\text{H}_2\text{PO}_4$), are the most common NLO and E-O crystals, especially in the systems with the large apertures.

Our KDP, DKDP and ADP feature:

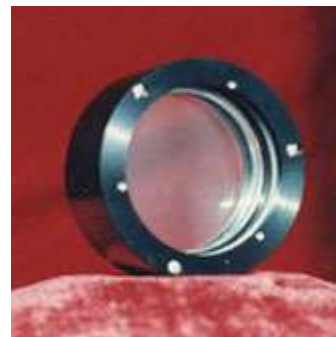
- As thin as 5x5x0.1mm devices are available
- Strict Quality Control
- Massive production to support industrial customers
- Coating, mounting and re-polishing services are available
- Competitive Price and Huge OEM Discount
- Free Technical Support



DKDP Crystal Boule



Various DKDP/KDP/ADP devices



75mm DKDP SHG

Our Standard Specifications for DKDP/KDP/ADP Devices:

- Dimension tolerance: $(W \pm 0.1 \text{ mm}) \times (H \pm 0.1 \text{ mm}) \times (L + 0.2 \text{ mm}/-0.1 \text{ mm})$
- Clear aperture: $> 90\%$ central area
- Flatness: $\lambda/4$ @ 633nm
- Surface Quality: 20/10
- Parallelism: better than 20 arc seconds
- Perpendicularity: 5 arc minutes
- Angle tolerance(degree): $D(\theta) < \pm 0.5$, $D(\phi) < \pm 0.5$
- AR coating: upon request

[View KDP/DKDP/ADP Crystal Properties and Applications](#)

[Click here to get a quote via e-mail](#)



[E-mail this link to a friend](#)

We have the following items in stock, which are ready for shipping immediately.

Description	Quantity
KDP Type I, theta=90 degrees, CA 20x3mm, polishing only, no coating, with 1.5-inch holder	1
KDP Type I, theta=90 degrees, CA 30x6mm, AR-coating at 400~532nm, with 2-inch holder	2

