

KBr

Potassium Bromide (KBr) Crystal Substrate



DESCRIPTION

Potassium Bromide (KBr) crystal is water-soluble, and it is easily deliquescent and cannot be chemically polished. KBr single crystal having a high transmittance and a wide pass band, and widely used as splitting prism, transmission windows and lens in infrared spectrometer, spectrophotometer and Infrared devices. The KBr substrate and windows are soft and hygroscopic.

FEATURE

- High transmittance
- A wide pass band

APPLICATION

- Splitting prism
- Transmission windows and lens

PARAMETER

Physical Properties

Material	KBr
Growth Method	Crystallization process
Structure	M3
Lattice (A)	a=5.596
Melting Point	730°C
Density(g/cm ³)	2.75g/cm ³
Wave Band	0.20-27.50μm
Index of Refraction	1.49025
Transmission Rate	0.91
Nf	0.01114

Main Specification

Size	10 mm x 10mm , 20mm x 20 mm 30 mm x 30 mm, Dia 50mm (customized sizes are available)
Thickness	2.0mm, 3.0mm. 5.0mm
Orientation	<100>, <110>, <111>
Ra:	<5Å

