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## Astronomy Bandpass Filter, Johnson-Bessel, IR 50 x 50mm



Astronomy Bandpass Filters

Stock **#21-137** **1 In Stock**

⊖ 1 ⊕ €890.<sup>00</sup>

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Volume Pricing	
Qty 1-5	€890,00 each
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Qty 26-49	€753,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Johnson-Bessel, I **Type of Filter:**

Bandpass Filter **Type:**

### Physical & Mechanical Properties

**Dimensions (mm):**

50 x 50

Thickness (mm):

5.00 ±0.1

Dimensional Tolerance (mm):

+0/-0.25

Parallelism (arcsec):

<30

### Optical Properties

Center Wavelength CWL (nm):

900.00

Full Width-Half Max FWHM (nm):

300.00

Minimum Transmission (%):

>70

Surface Quality:

60-40

Transmitted Wavefront, RMS:

λ/4

### Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

REACH 241:

Compliant

## Product Details

- Filter and Measure Light from Astronomical Objects
- Ideal for Photometric Calibration
- UBVRI Filters

Astronomy Bandpass Filters are used to filter out and measure specific bands of light emitted by astronomical and celestial objects. Johnson/Bessel filters are well suited for use with photomultiplier tubes and Kron/Cousin filters are well suited for use with Silicon sensors because of the sensors' responsivity. Both types of filters utilize identical UV (U), Blue (B), and Violet (V) filters. However, the Red (R) and Infrared (I) filters are optimized for use with either a photomultiplier tube or silicon CCD detector. Astronomy Bandpass Filters have precisely controlled thicknesses to minimize the common problem of refocusing when changing filters.

## Technical Information

