

[See all 36 Products in Family](#)

Astronomy Bandpass Filter, Johnson-Bessel, Red 50 x 50mm



Astronomy Bandpass Filters

Stock #21-136 **1 In Stock**

MRP ₹89,792

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹89,792 each
Qty 6-25	₹80,813 each
Qty 26-49	₹75,971 each
Need More?	Request Quote

Product Downloads

General

Johnson-Bessel, R **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):

630.00

Full Width-Half Max FWHM (nm):

120.00

Minimum Transmission (%):

>70

Surface Quality:

60-40

Transmitted Wavefront, RMS:

$\lambda/4$

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

REACH 241:

Compliant

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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

