Company Seven Astro-Optics
Box 2587, Montpelier, MD 20709-2587
www.company7.com | 301-953-2000

BAADER UV/IR-Cut-Filter

– planeoptically polished –

The only infrared blocker in this price range featuring a planeoptically polished substrate, parallel to within 30 seconds of arc!

In combination with the unique properties of the BAADER-Contrast-Booster™ the resulting spectral window eliminates all known effects of image deterioration – an absolute MUST for digital imaging.

Properties:

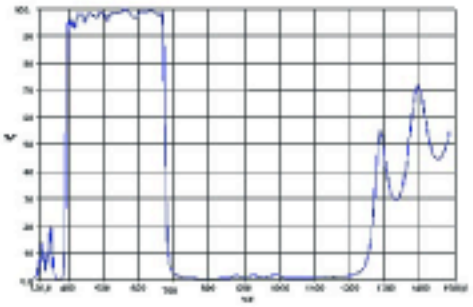
- Reflects destructive heat radiation!
- Protects your valuable solar observing equipment such as DAYSTAR-Filters and the like from excessive heat-stress (i.e. from cooking the immersion liquid!!)
- Stays cool and will not shatter if subjected to great thermal stress, since even intensive radiation is not absorbed – as with ordinary „heat protective Filters", such as KG-3 or KG-5. Energy is reflected due to an elaborate interference system of 39 dielectric coating layers.
- 98% Transmission average across the visible spectrum.
- Enables pinpoint star images with digital and CCD-equipment.
- Ultrahard and durable Ion-Beam IR-cut coatings, may be cleaned any time without fear.
- Hard and absolutely scratch resistant 7-layer-multicoat featuring 0.3 % residual reflection versus the regular 4.6 % of an uncoated substrate.
- Freedom from ghost images due to highest quality Coatings.
- Planeoptically polished! Retains full image resolution even at highest magnification during solar observation or eyepiece projection.
- Available in 1¼" and 2" size
- Incredibly low priced.
- Full family of adapters to mount in (almost) any telescopes optical train – see the Astro T-2 System™.
- Larger clear aperture than any competing 1¼" or 2" filter.
- Better, more elaborate filter cell design than any competing filter, featuring a CNC-milled „crown" for ease of handling and attachment.

1¼" BAADER UV/IR-Cut-Filter

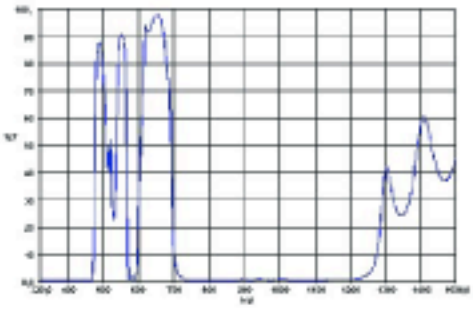
Item-No.: 245 9207

2" BAADER UV/IR-Cut-Filter

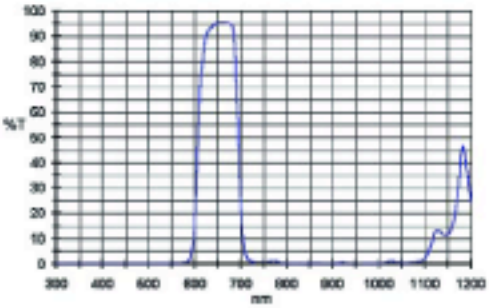
Item-No.: 245 9210



Spectral trace BAADER UV/IR-Cut Filter



Combined spectral trace BAADER UV/IR-Cut Filter & Baader Contrast-Booster: forming an **RGB-Intensifier**



Spectral trace BAADER UV/IR-Cut Filter & BAADER RG 610 Red Color Filter, working as H-α pass-filter