

IR Cut Filters

Product Description:

IR cut-off filters allow visible transmission and block the infrared. They are two types of filters, absorptive filters and reflective filters. Absorptive filters are made with special optical glass that absorbs near infrared radiation. Please refer to color glass filter for more information. Reflective filters reflect infrared light with high efficiency and allow the visible transmission. They are used for CCD or CMOS imagers to produce vivid images.

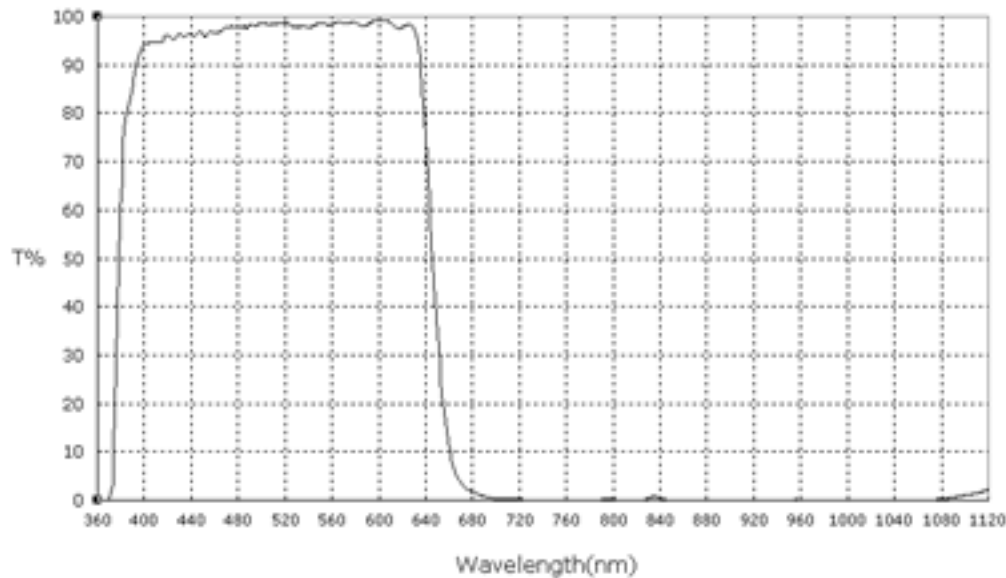
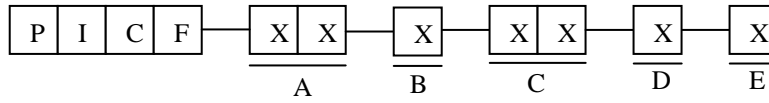


Figure 1: A typical IR-cut filter transmittance curve

Specifications:

| | |
|-----------------------------------|-------------------------|
| Angle of Incidence | 0° |
| Transmittance at 365 ± 10nm | 10 % Minimum |
| Transmittance at 420 ~ 630 ± 10nm | 90 % Minimum |
| Transmittance at 720 ~ 1000 | 2 % Maximum |
| Parallelism | <30 arc sec |
| Flatness | $\lambda / 4$ @ 632.8nm |
| Surface Quality | 40~20 |
| Wavefront Distortion | $\lambda / 4$ @ 632.8nm |
| AR Coating on backside | R < 1% for 400 ~ 650nm |

Ordering Information:



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|----------|--------------------|--|
| A | Filter Type | 01 = Transmission profile specified in the SPEC |
| | | 00=Special |
| B | Materials | 1 = BK7 |
| | | 0=Special |
| C | Dimensions | 00=Custom Size |
| D | Shape | 1=Circular |
| | | 2=Rectangular |
| E | Mount | 1=Yes |
| | | 0=No |