Our Technology

Rule-breaking technology

Our company is revolutionizing MWIR and LWIR filtering by introducing a novel silicon-based technology, diverging from conventional multilayer approaches. By integrating our filters, you'll have a more compact, reliable, and less power-consuming product to offer your own customers.



Enhanced mechanical robustness

Our unique technology provides increased mechanical resilience, making our filters suitable for use in demanding environments characterized by high temperatures and humid conditions

Improved optical performance

By employing our innovative approach, we can achieve superior optical response compared to traditional methods, ensuring higher efficiency and accuracy in detection.

Environmental consciousness

Beyond innovation and performance, we are committed to sustainability. Our eco-friendly manufacturing process reduces environmental impact.

Customized solutions

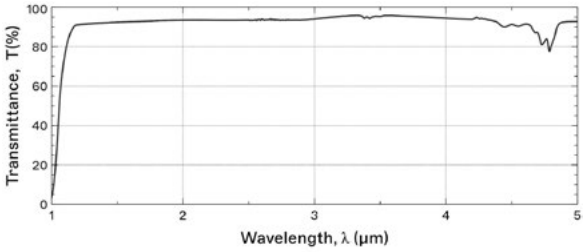
We manufacture custom filters in small batches (if required) at a very competitive price.

11/26 / V1 / BG-WF / diverse-filters/ir/infrared-windows-nd-filters

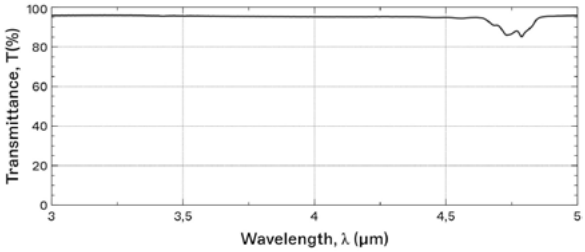
/ Germany and Other Countries LASER COMPONENTS Germany GmbH Tel +49 8142 2864 – 0 info@lasercomponents.com www.lasercomponents.com

Windows

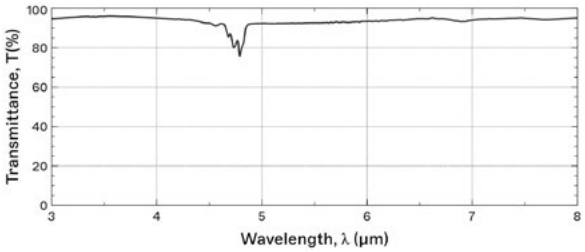
Code
BBAR_1_5
Average
Transmittace
94%



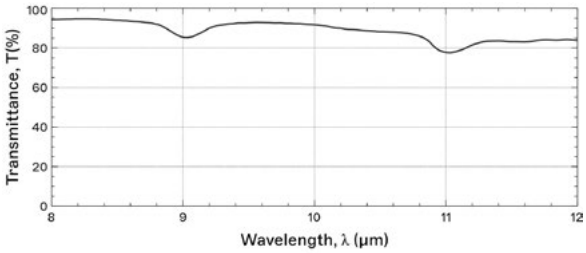
Code
BBAR_3_5
Average
Transmittace
95%



Code
BBAR_3_8
Average
Transmittace
95%



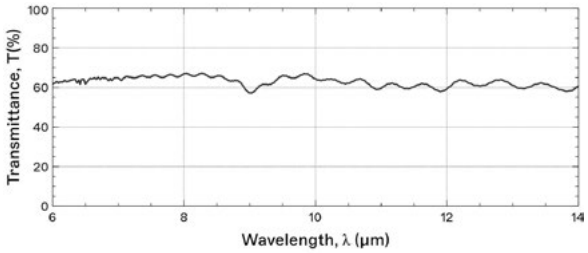
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Average
Transmittace
86%



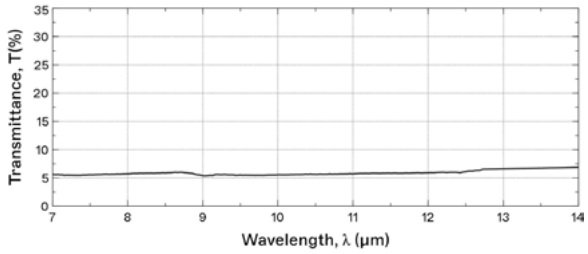
FILTERS / WINDOWS SELECTION GUIDE 03

Neutral Density filters

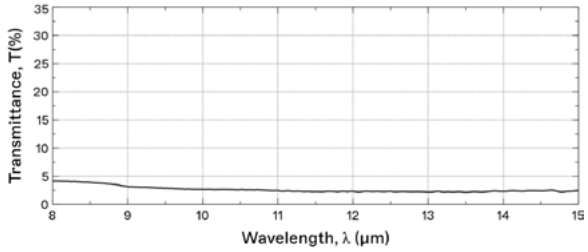
Code
ND_0.2
Blocking range
4000 - 25000
Optical Density
0.2



Code
ND_1.3
Blocking range
5500 - 25000
Optical Density
1.3



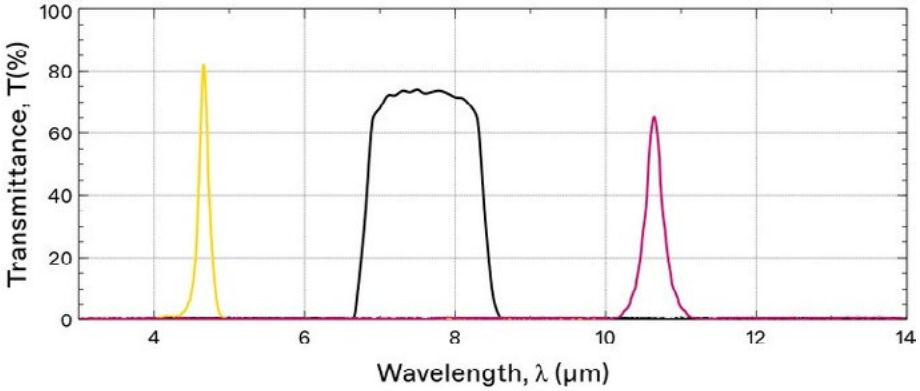
Code
ND_1.6
Blocking range
7000 - 20000
Optical Density
1.6



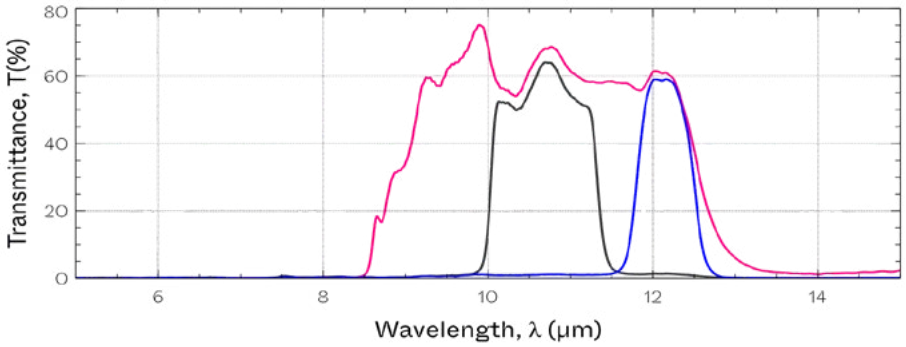
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Macroporous silicon based products

Bandpass filters



Long LWIR filters for astronomy



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Ultra-thin filters for crystal sorting and gas sensing

