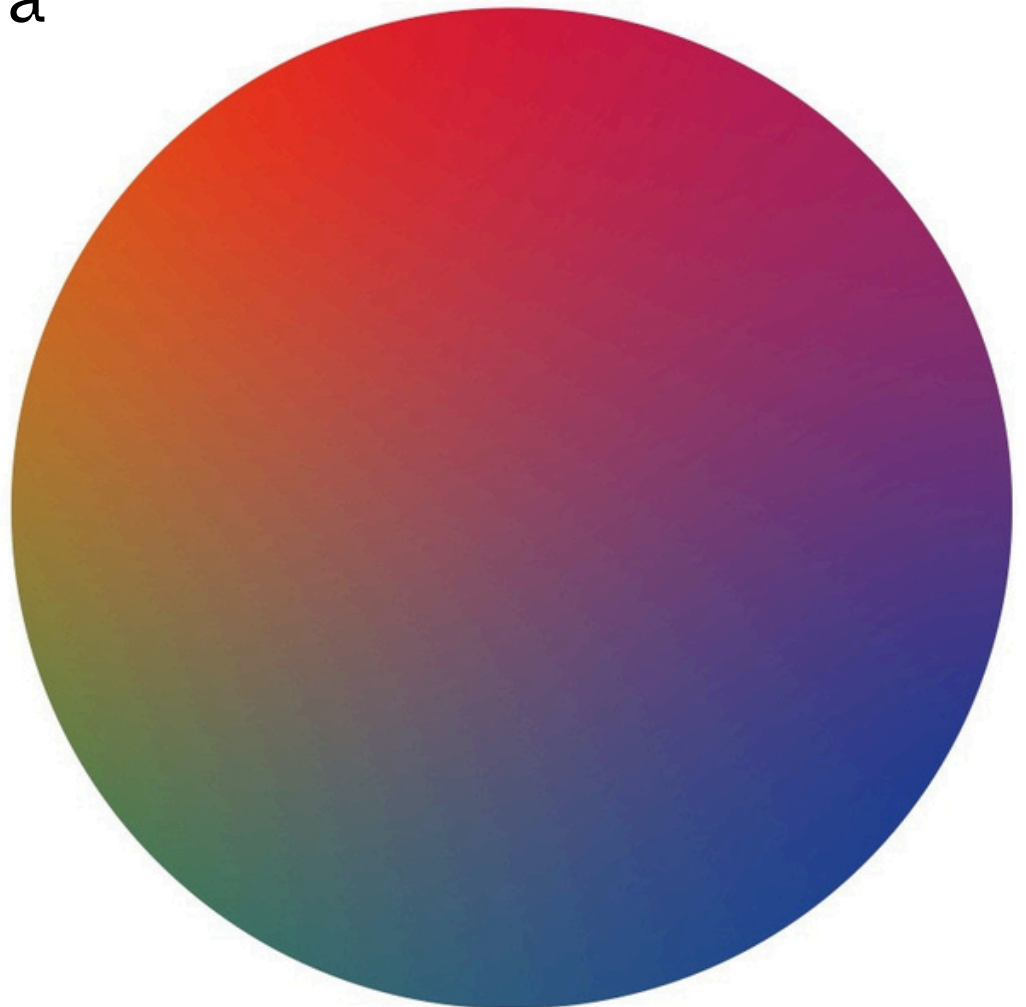


FILTERS/ WINDOWS SELECTION GUIDE

Bringing
the infrared
detection
to a new era

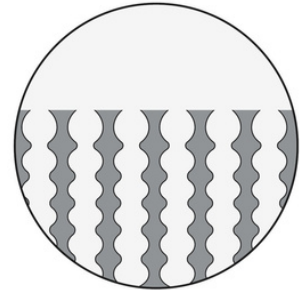


mapsi

Why Mapsi?

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.



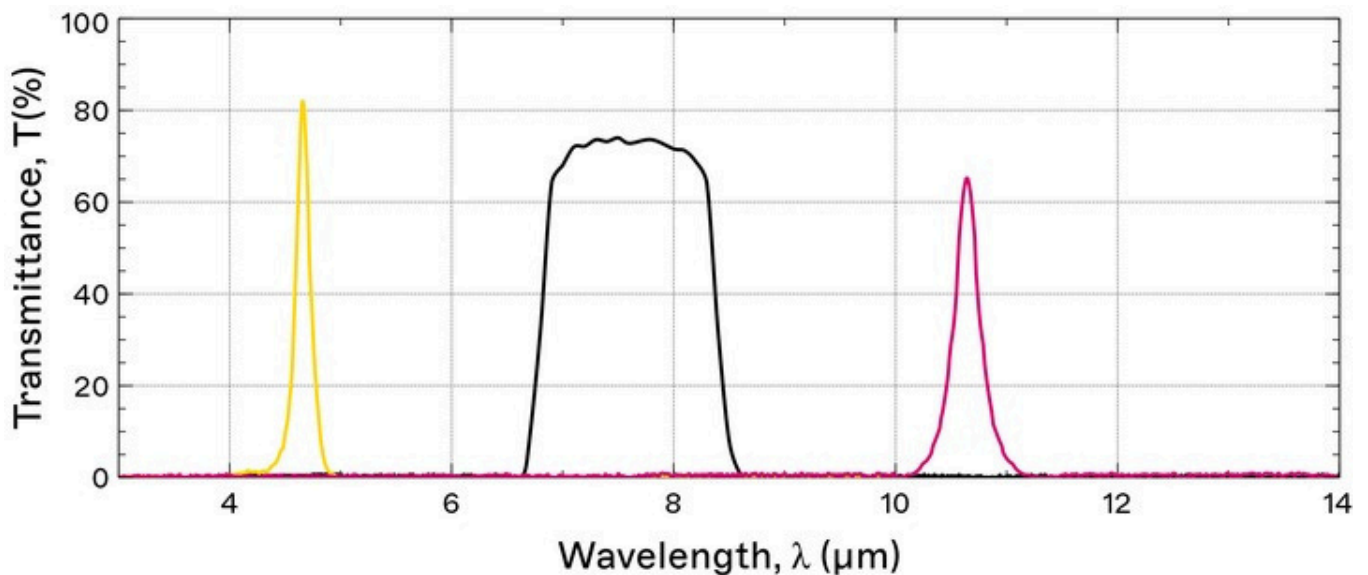
Bandpass filters

Code	CWL [nm]	CWL Tolerance [nm]	FWHM [nm]	FWHM Tolerance [nm]	T [%]	Thickness [mm]
NBP_3400_300	3400	± 25	300	± 15	> 70	1
NBP_3900_250	3900	± 30	250	± 15	> 70	1
NBP_4250_250	4250	± 30	250	± 20	> 75	1
NBP_4650_200	4650	± 35	200	± 30	> 75	1
NBP_5300_300	5300	± 25	300	± 30	> 70	1
NBP_6350_250	6350	± 30	250	± 35	> 70	1
NBP_6800_200	6800	± 30	200	± 35	> 75	1
NBP_7350_250	7350	± 30	250	± 35	> 70	1
NBP_7900_250	4260	± 30	250	± 40	> 75	1
NBP_10600_250	10600	± 35	250	± 40	> 70	1



Bandpass filters references

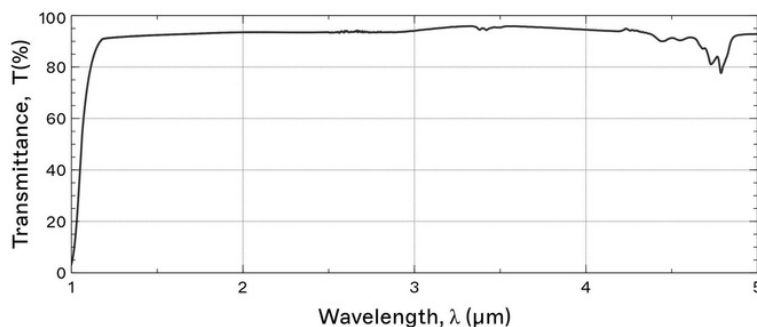
We offer a wide range of optical filters with precise specifications and strict tolerances, guaranteeing high quality and consistent performance.



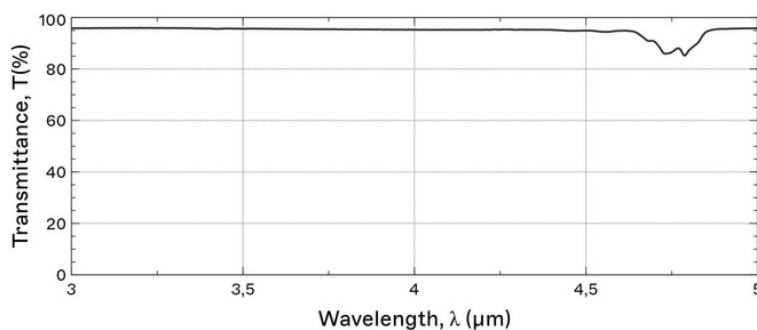
Reference image*

Windows

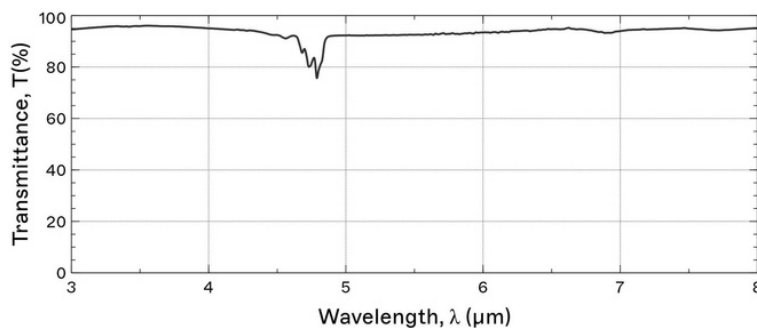
Code
BBAR_1_5
Average
Transmittance
93%



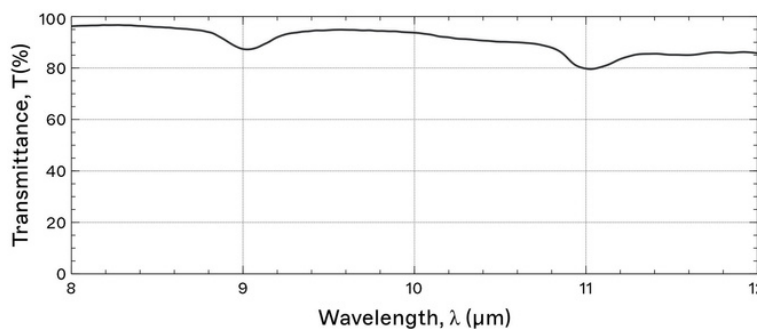
Code
BBAR_3_5
Average
Transmittance
95%



Code
BBAR_3_8
Average
Transmittance
95%



Code
BBAR_8_12
Average
Transmittance
86%



Neutral Density filters

Code

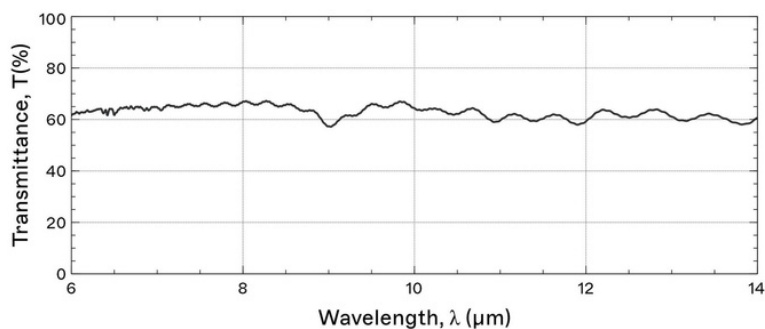
ND_0.2

Blocking range

2000-25000

Optical Density

0.2

**Code**

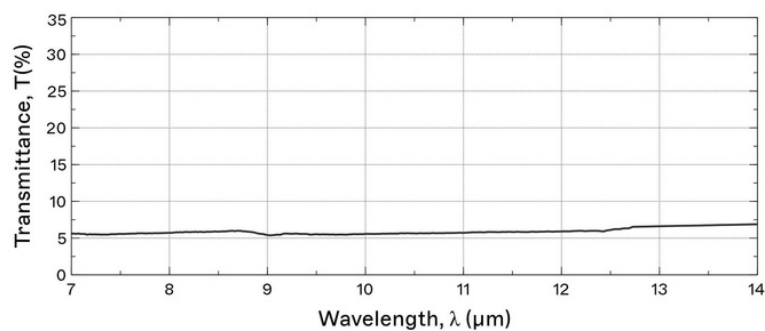
ND_1.3

Blocking range

5500-25000

Optical Density

1.3

**Code**

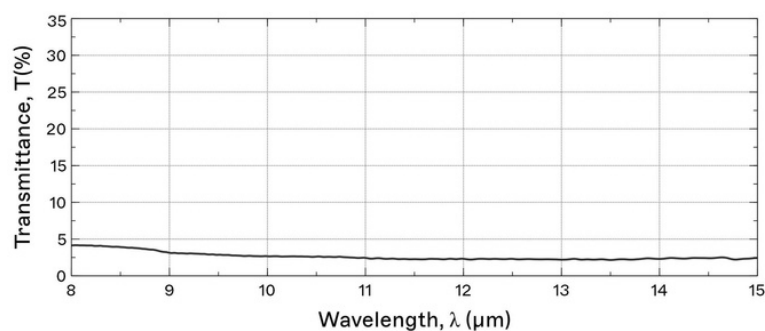
ND_1.6

Blocking range

7000-20000

Optical Density

1.6



Design your own filter

Need more than a standard filter? We understand your unique requirements. Visit our website

<https://mapsiphotonics.com/dyof/>

And draw your custom filter. We'll design and manufacture it for you!

Or write us and discover what macroporous technology can offer you!

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