

Filters for Infrared Applications



CVI Melles Griot offers infrared filters with the highest durability and environmental resistance using our unique sputter coating process and optical material selection. Our coating designs are optimized for peak transmission and blocking to provide you with the best performance for your individualized applications.

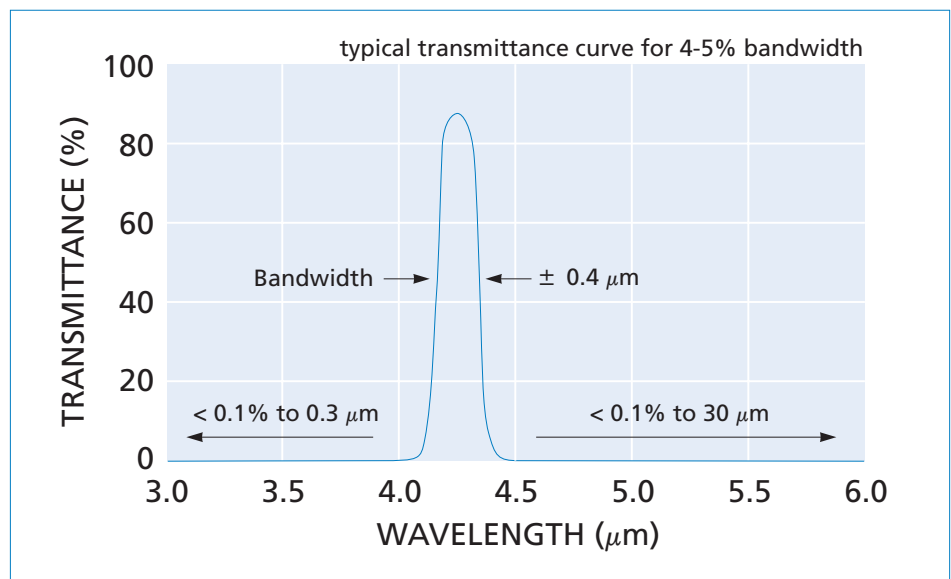
Demands for optical components require unique spectral performance. Our Optical Engineers are ready to adapt your specifications and provide the highest accuracy, repeatability and performance for your given application.

Key attributes

- Optimized transmission
- Broad blocking
- Abrasion resistant
- Environmental durability
- Standard and custom geometry

Applications

- Gas analysis
- Radiation pyrometry
- Thermography
- Spectroscopy
- Metrology



Gas	Bandwidth tolerance (± μm)	CWL (μm)	CWL tolerance (± μm)	Transmission (%)	Blocking range (μm)	Substrate Material	Part Description
2% Bandwidth							
HC	0.02	3.46	0.03	>75	0.3-30	Fused Silica	F69-3460-3-25.0M
CO ₂	0.03	4.26	0.04	>75	0.3-30	Sapphire	F85-4260-3-25.0M
CO	0.03	4.70	0.04	>70	0.3-30	Sapphire	F94-4700-3-25.0M
4-5% Bandwidth							
HC	0.03	3.46	0.04	>75	0.3-30	Fused Silica	F156-3460-3-25.0M
CO ₂	0.04	4.26	0.05	>75	0.3-30	Sapphire	F192-4260-3-25.0M
CO	0.04	4.70	0.05	>70	0.3-30	Sapphire	F212-4700-3-25.0M

