

# IR Filter for gas analysis & thermography

## Description

Daheng OTF manufactures infrared filters for detecting various gases, H<sub>2</sub>O, CH<sub>4</sub>, CO<sub>2</sub>, CO, NO, SO<sub>2</sub>, SF<sub>6</sub> etc, the wavelength is up to 16μm, these filters are widely used in environmental、medical、security、Thermography、avionic etc. industries.

## Applications

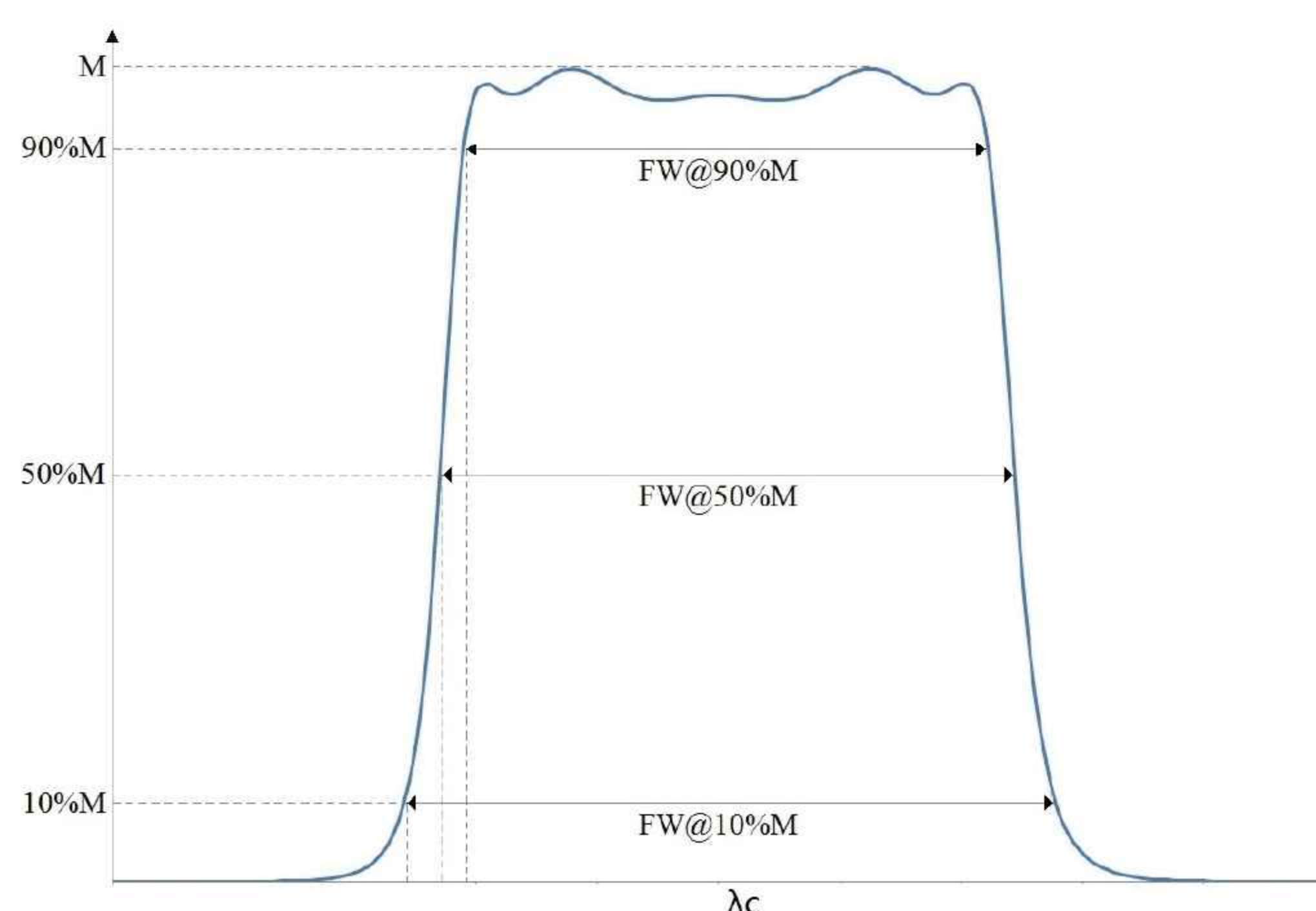
- Environmental Monitoring
- Security Systems
- Thermography Systems
- Avionics

## Benefits

- Ultra-narrow band
- High transmission
- Sharp slope
- High contrast

## Products

- IR narrow band pass filter
- IR wide band pass filter
- IR longpass filter
- IR lens&windows



Object	CWL(μm)	Tpeak	FWHM	Blocking
CH <sub>4</sub>	3.40±0.034	85%	140±20nm	OD3@UV-11μm
CO <sub>2</sub>	4.26±0.042	85%	180±20nm	OD3@UV-11μm
CO	4.66±0.046	85%	180±20nm	OD3@UV-11μm
NO	5.33±0.053	85%	300±40nm	OD3@UV-11μm
SO <sub>2</sub>	7.30±0.073	85%	180±20nm	OD3@UV-11μm
SF <sub>6</sub>	10.6±0.100	85%	190±20nm	OD3@UV-13.6μm