

# Laser Line Filter

## Description

Laser Filters are used to reject a wavelength or range of wavelengths while transmitting wanted wavelengths for a number of laser applications. Daheng offers a wide range of Laser Filters suited for many laser system needs.

## Applications

- Laser-based Fluorescence Instrumentation
- Raman Spectroscope
- Analytical and Medical Laser Systems

## Benefits

- Ultrahigh Peak Transmission  $T > 80\%$
- Excellent Blocking ( $OD > 4.0$ )
- Dielectric Coated with IBS Technology

## Products

- Minimum Size:  $\Phi 2\text{mm}$  or  $2\text{mm} \times 2\text{mm}$
- Maximum Size:  $\Phi 50\text{mm}$  or  $55 \times 55\text{mm}$
- Surface quality: 80-50
- Damage threshold:  $20\text{J}/\text{cm}^2, 10\text{ns}$  pulse
- Typical wavelength: 488, 532, 632.8, 788, 808, 980, 1064, 1570nm
- Environmental conditions: Per Mil-STD-810E, Method 507.3
- Operating Temperature:  $-40^\circ\text{C}$  -  $+60^\circ\text{C}$

