

NARROW-BAND HOLOGRAPHIC FILTERS

NARROW-BAND HOLOGRAPHIC FILTERS are intended for suppression of powerful beams in research and in engineering, in particular, in laser spectroscopy, and also for protection from blinding and damaging by laser radiation photo receiver devices of various purpose and operator's eyes.

Parameter	Narrow-band filter	Notch Filter	Super Notch
Laser Attenuation	$> 10^4$	$> 5 \cdot 10^4$	$> 5 \cdot 10^4$
Spectral Bandwidth: FWHM, cm^{-1}	< 700	< 500	< 350
FWHM for 514 filter, nm	< 20	< 13	< 10
Spectral Edge Width (Stocks): Wavenumbers between O.D. 0.3 and O.D. 4.0, cm^{-1}	< 300	< 250	< 120
% Transmission outside notch 460nm to 1500nm Drops off in UV range	> 70	> 80	> 85
Available Wavelength Range, nm	450÷ 1100	480÷ 1100	510÷ 1100
Standard Wavelengths, nm	488, 514, 532, 633, 690, 785, 1064	488, 514, 532, 633, 690, 785, 1064	514, 532, 633, 690, 785, 1064
Laser Damage Threshold, J/cm^2	> 10	> 10	> 10
Maximum size, mm	$\varnothing 70$	$\varnothing 60$	$\varnothing 30$

Del Mar Ventures

12595 Ruelle Alliante #148

San Diego CA 92130

v/fax +1 (509) 752-0123

optics@sciner.com

<http://www.sciner.com/Opticsland/>