



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## DEVICE SPECIFICATIONS

MODEL NUMBER:

**48062-4.5-.55-WP**

DOCUMENT NUMBER: 56A14331E

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO <sub>2</sub>
Acoustic Mode	Shear
Operating Wavelength	442 to 676 nm
Operating Frequency	See Chart below
Window Configuration	AR Coated
Static Transmission	> 95 %
Diffraction Efficiency	≥ 80 % per wavelength
Input Light Polarization	Linear, Horizontal (Parallel to acoustic propagation)
Input Beam Divergence	<1 mrad (solid angle)
Acoustic Aperture Size	≤ 4.5 mm
Resolution	35 Å @ 467 nm 40 Å @ 647 nm
Deflection Angle (with respect to incident light)	1.3° (wavelength insensitive)
RF Power Level per wavelength	0.1 watt nominal
Total Power for All Wavelength	0.8 watt maximum
Impedance	50 ohm nominal
VSWR	≤2:1
Waterproof Housing with 72000 Bragg Mount	53C00835
Operating Manual: 51A05418	Acceptance Test Procedure: 42A14986 Acceptance Test Results form: 52A06071
Recommended Drivers:	
Eight Channel:	PCAOM Driver System: 64040-75-.1-8CH-16B PCAOM Driver Module: 64040-75-.1-8CH-16MB
Four Channel:	PCAOM Driver System: 64040-75-.1-4CH-5 PCAOM Driver Module: 64040-75-.1-4CH-5M

## Driver Frequency @ Specified Wavelength

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Wavelength (nm)	Frequency (MHz)
442	82.69
457*	78.19
465*	76.29
472*	74.67
476*	73.85
482	72.51
488*	71.38
496*	69.69
501*	68.70
514*	66.39
520*	65.32
525	64.50
528*	64.04
530*	63.75
532	63.51
543	61.84
561	59.23
568*	58.35
575*	57.50
632*	51.10
635	50.91
647*	49.72
650	49.46
676*	47.17

\* NEOS Driver Standard Settings.

Data for other wavelengths are available.

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