



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## DEVICE SPECIFICATIONS

### MODEL NUMBER:

# 45100-6

### DOCUMENT NUMBER: 56A18008A

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO <sub>2</sub>
Acoustic Mode	Shear Wave
Operating Wavelength	440 to 530 nm
Window Configuration	AR Coated
Static Transmission	> 95 %
Operating Frequency	75 to 125 MHz
Intensity Variation	3 dB
Diffraction Efficiency	> 60 % Midband with polarization circular or linear
Acoustic Aperture Size	6 mm
Processing Time	9.7 $\mu$ s
Resolution (T.BW. product)	485 spots with no less than 70 $\mu$ s scan time and full illumination of the aperture
Deflection Angle	87 mrad @ 530 nm, @ 100 MHz
$\Delta$ Deflection Angle	41 mrad @ 530 nm
RF Power Level	2 watts
Impedance	50 ohms
VSWR	< 2.5:1 Across Bandwidth
Package:	53B2024
Operating Manual:        Use Latest Revision.	51A02042
Acceptance Test Procedure:	42A12653
Acceptance Test Results form:	52A11841
Recommended Drivers:	
Analog System Digital Frequency Synthesizer: 64020-200-2ADSDFS-A	
Analog Module Digital Frequency Synthesizer: 64020-200-2ADMDFS-A	
Analog System Voltage Controlled Oscillator: 64075-125-2ASVCO-1	
Analog Module Voltage Controlled Oscillator: 64075-125-2AMVCO	

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