



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

45100-5-6.5DEG-.51

DOCUMENT NUMBER: 56A9853C

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO ₂
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	2 dB
Diffraction Efficiency	> 70 % Midband with linear polarization parallel to acoustic propagation
Acoustic Aperture Size	5 mm
Process Time	7.5 μ s
Resolution (T.BW product)	375 spots with no less than 60 μ s scan time and full illumination of the aperture
Δ Deflection Angle	39 mrad @ 514 nm
Deflection Angle	78 mrad @ 100 MHz, 514 nm
RF Power Level	2 watt maximum
Impedance	50 ohms
VSWR	< 2:1 across band
Package:	53B2024
Operating Manual: Use latest Revision.	51A12229
Acceptance Test Procedure:	42A12653
Acceptance Test Results form:	52A11841
Recommended Driver:	

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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