



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

45070-6

DOCUMENT NUMBER: 56A02465C

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO ₂
Acoustic Mode	Shear Wave
Operating Wavelength	633 to 850 nm
Window Configuration	AR Coated
Static Transmission	> 95 %
Operating Frequency	50 to 90 MHz
Diffraction Efficiency	> 60 % Midband with polarization circular or linear
Intensity Variation	< 2.5 dB
Acoustic Aperture Size	6 mm
Processing Time	9.7 μ s
Resolution (T.BW. product)	388 spots with no less than 70 μ s scan time and full illumination of the aperture
Deflection Angle	72 mrad @ 633 nm
Δ Deflection Angle	41 mrad @ 633 nm
RF Power Level	2 watts
Impedance	50 ohms
VSWR	< 2.5:1 Across Bandwidth
Package:	53B2024
Operating Manual: Use Latest Revision.	51A00902
Acceptance Test Procedure:	42A14796
Acceptance Test Results form:	52A5886
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: 64050-90-2ASVCO-1
Analog Module Voltage Controlled Oscillator: 64040-90-2AMVCO

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