



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

45050-5-6.5DEG-.8

DOCUMENT NUMBER: 56A7912D

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO ₂
Acoustic Mode	Shear Wave
Operating Wavelength	780 to 850 nm
Window Configuration	AR Coated
Static Transmission	> 95 %
Operating Frequency	35 to 65 MHz.
Intensity Variation	2 dB
Diffraction Efficiency	> 70 % Midband with linear polarization, parallel to acoustic propagation
Acoustic Aperture Size	5mm
Process Time	7.5 μ s
Resolution (T.BW product)	225 spots with no less than 60 μ s scan time and full illumination of the aperture
Δ Deflection Angle	39 mrad @ 850 nm
Deflection Angle	65 mrad @ 50MHz, 850 nm
RF Power Level	2 watts maximum
Impedance	50 ohms
VSWR	< 2:1 across band
Package:	53B2024
Operating Manual: Use Latest Revision.	51A14063
Acceptance Test Procedure:	42A14795
Acceptance Test Results form:	52A14800
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: 21035-65-2ASVCO-1	
Analog Module Voltage Controlled Oscillator: 21035-65-2AMVCO	

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