



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

45035-5-6.5DEG-1.06

DOCUMENT NUMBER: 56A9265D

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO ₂
Acoustic Mode	Shear wave
Operating Wavelength	1064 nm
Window Configuration	AR Coated
Static Transmission	> 97 %
Operating Frequency	25-45 MHz
Intensity Variation	< 2 dB
Diffraction Efficiency	> 60 % Midband with linear polarization, parallel to acoustic propagation
Active Aperture	5 mm
Process Time	7.5 μ s
Resolution (T.BW product)	150 spots with no less than 60 μ s scan time and full illumination of the aperture
Δ Deflection Angle	32 mrad (25 - 45 MHz)
Deflection angle	56 mrad @ 35 MHz
RF power level	4 watts
Impedance	50 ohms nominal
VSWR	< 2:1 across band
Package:	53B2024
Acceptance Test Procedure:	42A18745
Acceptance Test Results form:	52A18744
Recommended Drivers:	

Analog System Digital Frequency Synthesizer: 64020-200-4ADSDFS-A
Analog Module Digital Frequency Synthesizer: 64020-200-4ADMDFS-A

Analog System Voltage Controlled Oscillator: 64025-45-4ASVCO-1
Analog Module Voltage Controlled Oscillator: 64025-45-4AMVCO

For More Information, Contact: neos@neostech.com Ph. (321) 242-7818 Fax (321) 242-1019