



NEOS TECHNOLOGIES

A Gooch & Housego Company

SPECIFICATION
MODEL NUMBER:

46080-2-LTD

DOCUMENT NUMBER: 56A14855B

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interaction Material	TeO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	450-800 nm
Window Configuration	AR coated
Static Transmission	>95 %
Operating Frequency	60-100 MHz
Intensity Variation	< 2 dB
Diffraction Efficiency	>80 % midband with linear polarized light perpendicular to acoustic propagation or with random polarized light
Acoustic Aperture Size	2 mm
Rise Time	150 ns / mm beam dia.
Δ Deflection Angle	7.3 mrad @ 780 nm 4.5 mrad @ 488 nm
Deflection Angle	14.6 mrad @ 780 nm @ 80 MHz, 9.1 mrad @ 488 nm @ 80 MHz
RF Power Level	< 1.25 watt @ 780 nm
Impedance	50 Ω nominal
VSWR	<2:1 across bandwidth
Package	53B0624

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: 21060-100-2ASVCO
Analog Module Voltage Controlled Oscillator: 21060-100-2AMVCO

For More Information, contact NEOS Technologies, Ph. (321) 242-7818 Fax (321) 242-1019