



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

46080-2-1.06-LTD

DOCUMENT NUMBER: 56A19123A

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interaction Material	TeO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	1064 nm
Static Transmission	> 97 %
Window Configuration	AR coated
Operating Frequency	70-90 MHz
Intensity Variation	< 2.5 dB across bandwidth
Diffraction Efficiency (midband)	> 75 % midband with linear polarization, perpendicular to acoustic propagation, > 70 % midband with random polarization.
Acoustic Aperture Size	2 mm
Rise Time	150 ns/mm beam dia.
Δ Deflection Angle	7.5 mrad
Deflection Angle	20 mrad
RF Power Level	< 2 watts
Impedance	50 ohms nominal
VSWR	<1.5:1 across bandwidth
Package	53B0624 TO2

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: 21065-95-2ASVCO

Analog Module Voltage Controlled Oscillator: 21065-95-2AMVCO

For More Information, Contact: neos@neostech.com

Ph. (321) 242-7818 Fax (321) 242-1019