



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## DEVICE SPECIFICATIONS

MODEL NUMBER:

**46080-2-.85-LTD**

DOCUMENT NUMBER: **56A18848B**

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO <sub>2</sub>
Acoustic Mode	Longitudinal
Operating Wavelength	700 to 1100 nm
Window Configuration	AR Coated
Static Transmission	> 95 %
Operating Frequency	65–95 MHz
Intensity Variation	< 1.5 dB @ 780 nm
Diffraction Efficiency (midband)	> 70 % midband with linear polarization, perpendicular to acoustic propagation, > 65 % midband with random polarization.
Acoustic Aperture Size	2 mm
Rise Time	150 nsec/mm beam dia.
$\Delta$ Deflection Angle	4 mrad @ 850 nm
Deflection Angle	16 mrad @ 80 MHz and 850 nm
RF Power Level	< 2 watts @ 850 nm
Impedance	50 ohms nominal
VSWR	< 1.5:1 over bandwidth
Package	53B00624

### 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: 21065-95-1ASVCO

Analog Module Voltage Controlled Oscillator: 21065-95-1AMVCO

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