



Gooch & Housego

DEVICE SPECIFICATIONS

MODEL NUMBER:

46080-1-LTD

DOCUMENT NUMBER: 56A17987 Rev C

<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	1 mm
Rise Time	150 ns/mm beam diameter
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 Watt @ 780 nm
Impedance	50 Ohms nominal
VSWR	<2:1 across bandwidth
Package:	53B0624 TO1

Recommended Drivers:

Analog System Digital Frequency Synthesizer: 64020-200-1ADSDFS-A
Analog Module Digital Frequency Synthesizer: 64020-200-1ADMDFS-A

Analog System Voltage Controlled Oscillator: 21060-100-1ASVCO
Analog Module Voltage Controlled Oscillator: 21060-100-1AMVCO

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