



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## SPECIFICATION

MODEL NUMBER:

# 46300-0.2/2-.36

DOCUMENT NUMBER: 56A18531A

### PARAMETER

### SPECIFICATION

|                           |   |
|---------------------------|---|
| Interactive Material      | Fused Silica  |
| Acoustic Mode             | Longitudinal  |
| Operating Wavelength      | 360 nm  |
| Window Configuration      | AR coated   |
| Static Transmission       | >97%  |
| Operating Frequency       | 225-375 MHz   |
| Intensity Variation       | <1 dB   |
| Diffraction Efficiency    | >70%, midband next to transducer,<br>with linear polarized light perpendicular<br>to acoustic propagation |
| Acoustic Aperture Size    | 0.2mm (H) x 2mm (near field distance<br>along acoustic propagation direction)                             |
| Process Time              | 0.33 $\mu$ s with 2mm beam<br>size in acoustic direction  |
| Resolution (T.BW product) | 50 spots  |
| $\Delta$ Deflection Angle | 9 mrad  |
| Deflection Angle          | 18 mrad @ 300 MHz   |
| RF Power Level            | <3 watts  |
| Impedance                 | 50 ohms   |
| VSWR                      | <2:1 across bandwidth   |
| Package                   | 53B1354   |

#### Recommended Drivers:

Analog System Voltage Controlled Oscillator: 64200-380-5ASVCO  
Analog Module Voltage Controlled Oscillator: 64200-380-5AMVCO

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