



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## DEVICE SPECIFICATIONS

MODEL NUMBER:

**26055-1-1.55-LTD**

DOCUMENT NUMBER: 56A15738C

| <u>PARAMETER</u>                | <u>SPECIFICATION</u>  |
|---------------------------------|---|
| Interactive Material            | AMTIR   |
| Acoustic Mode                   | Longitudinal  |
| Operating Wavelength            | 1064 - 2100 nm*   |
| Window Configuration            | AR Coated   |
| Static Transmission             | >95 % @ 1064 nm *<br>>97% @ 1550 nm<br>>90% @ 2100 nm *           |
| Operating Frequency             | 55.00 MHz   |
| Diffraction Efficiency          | >85 % @ 1064 nm<br>>85 % @ 1550 nm<br>>55 % @ 2100 nm             |
| Light Polarization              | Random  |
| Optical Power Density:          | <50 KW/cm <sup>2</sup>  |
| Acoustic Aperture Size          | 1 mm  |
| Rise Time                       | 260 ns / mm Beam Diameter   |
| Deflection Angle                | 23.3 mrad @ 1064 nm<br>32.4 mrad @ 1550 nm<br>46.0 mrad @ 2100 nm |
| RF Power Level                  | <1 Watt   |
| Impedance                       | 50 Ohms   |
| VSWR                            | 1.2:1 @ 55.00 MHz   |
| Package:                        | 53B0624 TO1   |
| Operational Manual              |   |
| Acceptance Test Procedure:      | 42A12285  |
| Acceptance Test Results form:   | 52A02488  |
| Recommended Drivers:            |   |
| Analog Driver System: 21055-1AS | Digital Driver System: 21055-1DS                                  |
| Analog Driver Module: 21055-1AM | Digital Driver Module: 21055-1DM                                  |

\* Can be custom ordered "V" coated for wavelengths between 1064 nm and 2100 nm to improve the transmission to be > 97%. Standard coated for 1.55 nm.

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