



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

17389-.93-FOA

DOCUMENT NUMBER: 56A15411C

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	700 –1064 nm
Window Configuration	AR Coated
Transmission	>95%
Operating Frequency	389 MHz
Diffraction Efficiency	>70% @ 800 nm with Linear, Polarization Perpendicular to Acoustic Propagation >60% @ 800 nm with Random Polarization
Acoustic Aperture Size	70 μm
Rise Time	<7 nsec
Extinction Ratio *	>20dB for neighboring pulses, >27dB for subsequent pulses @ <80MHz pulse rep rate
Optical Waist Size to achieve Rise Time	35μm
Deflection Angle	73mrad @ 800nm
RF Power Level	< 700 mW Average/ 5 Watts Peak 10% max duty cycle with 10nsec pulse.
Impedance	50 Ohms nominal
VSWR	< 1.5:1 @ 389 MHz
Package:	53B0499
Operating Manual:	51A17204
Acceptance Test Procedure:	42A12280
Acceptance Test Results Form:	52A9461
Recommended Drivers:	11389-5AM 64389.5-SYN-9.5-X

*When used with the 11389-5AM or 64389.5-SYN-9.5-X drivers

For More Information, Contact: neos@neostech.com **Ph. (321) 242-7818** **Fax (321) 242-1019**