



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

17389-.93-FOA / 71009

DOCUMENT NUMBER: 56A15415C

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	TeO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	700 –1064 nm
Window Configuration	AR Coated
Static 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	35 μm
Deflection Angle	73 mrad @ 800 nm
RF Power Level	< 700 mW Average/ 5 Watts Peak 10 % max duty cycle with 10 nsec pulse.
Impedance	50 Ohms nominal
VSWR	<1.5:1 @ 389 MHz
Package	53D00327
Operating Manual:	51A10923
Acceptance Test Procedure:	42A15347
Acceptance Test Results Form:	52A15348
Recommended Drivers:	11389-5AM 64389.5-SYN-9.5-X

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

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