



# NEOS TECHNOLOGIES

A Gooch & Housego Company

## DEVICE SPECIFICATIONS

MODEL NUMBER:

**17389-1.06-LTD-GaP**

DOCUMENT NUMBER: 56A16022B

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interaction Material	GaP
Acoustic Mode	Longitudinal
Operating Wavelength	1.06 $\mu\text{m}$
Window Configuration	AR "V" coating
Static Transmission	>90%
Operating Frequency	389 MHz
Diffraction Efficiency	56% minimum with linear polarized light parallel to acoustic propagation
Acoustic Aperture Size (in air)	150 $\mu\text{m}$
Rise Time	4 nsec minimum
Extinction Ratio *	>20dB for neighboring pulses, >27dB for subsequent pulses @ <80MHz pulse rep rate
Optical Waist Size To Achieve Rise Time	40 $\mu\text{m}$
Deflection Angle	62 mrad
RF Power Level	2.5 watts peak, <1 watt aver.
Impedance	50 Ohms nominal
VSWR	<1.5:1 @ 389 MHz
Package	53B00624TO1
Recommended Drivers:	
Non - Synchronous Driver:	11389-5AM
Synchronous Driver:	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 Technologies, Ph (321) 242-7818, Fax (321) 242-1019