



NEOS TECHNOLOGIES

A Gooch & Housego Company

DEVICE SPECIFICATIONS

MODEL NUMBER:

13389-BR

DOCUMENT NUMBER: 56A04902C

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	longitudinal
Operating Wavelength	Used for Various λ Specifications shown for 633 nm
Window Configuration	Brewster, $\lambda/10$ over acoustic aperture
Static Transmission	>99 %
Operating Frequency	389 MHz
Diffraction Efficiency	>5.5 % @ 500 mW
Light Polarization	Linear, Perpendicular to Acoustic Propagation
Acoustic Aperture Size	60 μm in air
Rise Time	<6 ns
Optical Waist Size to achieve Rise Time	44 μm
Deflection Angle	41 mrad @ 633 nm
RF Power Level Average Peak	500 mW 10 Watts peak, 5 % duty cycle with 10 ns pulse
Impedance	50 Ohms
VSWR	<1.5:1 @ 389MHz, <6:1 @ 299, 479 MHz
Package:	53A5314
Operating Manual: Use Latest Revision.	51A07196
Acceptance Test Procedure:	42A14786
Acceptance Test Results Form:	52A03226
Recommended Drivers:	64389-SYN-9.5-X

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