

DEVICE SPECIFICATIONS

MODEL NUMBER:

12041-3-BR-TE

DOCUMENT NUMBER: 56A14295E

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	Used for Various λ Specification shown for 1.06 μm
Window Configuration	Brewster
Static Transmission	$\geq 99\%$
Operating Frequency	41 MHz \pm 182 KHz
Mode spacing	364 KHz Typical
Average Loss Modulation	$\geq 10\%$ with Linear Polarization, Perpendicular to Acoustic Propagation
Acoustic Aperture Size (in air)	2 mm
Deflection Angle	7.3 mrad @ 1.06 μm
RF Power Level	≤ 1 watt
Impedance	50 ohms nominal @ Resonant Frequency
VSWR	$\leq 1.5:1$ @ Resonant Frequency
Package	53A3890

For More Information, Contact: sales@goochandhousego.com www.goochandhousego.com

As part of our policy of continuous product improvement we reserve the right to change specifications at any time.



DEVICE SPECIFICATIONS

MODEL NUMBER:

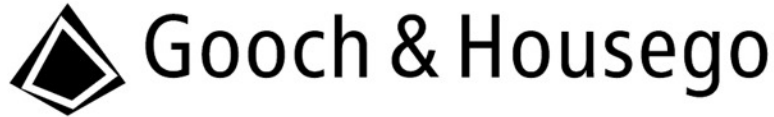
12080-3-BR-TE

DOCUMENT NUMBER: 56A14297E

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	Used for Various λ Specifications shown for 1.06 μm
Window Configuration	Brewster
Static Transmission	$\geq 99 \%$
Operating Frequency	80 MHz \pm 182 KHz
Mode spacing	364 KHz Typical
Mode Bandwidth -3dB	10 KHz approximate
Average Loss Modulation	6.5% minimum with linear polarization, perpendicular to acoustic propagation
Acoustic Aperture Size (in air)	2 mm
Deflection Angle	14.2 mrad @ 1.06 μm
RF Power Level	≤ 1 watt
Impedance	50 ohms @ Resonant Frequency
VSWR	$\leq 1.5:1$ @ Resonant Frequency
Package	53A3890

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DEVICE SPECIFICATIONS

MODEL NUMBER:

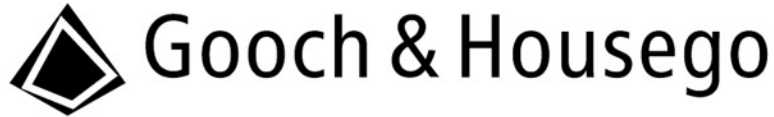
12038-3-BR-TE

DOCUMENT NUMBER: 56A14294E

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	Used for Various λ Specifications shown for 1.06 μm
Window Configuration	Brewster
Static Transmission	$\geq 99 \%$
Operating Frequency	38 MHz \pm 182 KHz
Mode spacing	364 KHz Typical
Mode Bandwidth -3dB	10 KHz approximate
Average Loss Modulation	10 % minimum with linear polarization, perpendicular to acoustic propagation
Acoustic Aperture Size (in air)	2 mm
Deflection Angle	6.75 mrad @ 1.06 μm
RF Power Level	≤ 1 watt
Impedance	50 ohms @ Resonant Frequency
VSWR	$\leq 1.5:1$ @ Resonant Frequency
Package	53A3890

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DEVICE SPECIFICATIONS

MODEL NUMBER:

12050-3-BR-TE

DOCUMENT NUMBER: 56A14296E

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	Used for Various λ Specifications shown for 1.06 μm
Window Configuration	Brewster
Static Transmission	$\geq 99 \%$
Operating Frequency	50 MHz \pm 182 KHz
Mode spacing	364 KHz Typical
Mode Bandwidth -3dB	10 KHz approximate
Average Loss Modulation	6.5 % minimum with linear polarization, perpendicular to acoustic propagation
Acoustic Aperture Size (in air)	2 mm
Deflection Angle	8.9 mrad @ 1.06 μm
RF Power Level	≤ 1 watt
Impedance	50 ohms @ Resonant Frequency
VSWR	$\leq 1.5:1$ @ Resonant Frequency
Package	53A3890

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DEVICE SPECIFICATIONS

MODEL NUMBER

12080-3-TE

DOCUMENT NUMBER: 56A14293D

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	1.06 μ m
Window Configuration	AR "V" Coated
Static Transmission	≥ 99 %
Operating Frequency	80 MHz \pm 150 KHz
Mode spacing	300 KHz Typical
Mode Bandwidth -3dB	10 KHz approximate
Average Loss Modulation	≥ 10 % minimum with Linear Polarization, Perpendicular to Acoustic Propagation
Acoustic Aperture Size	3 mm
Deflection Angle	14.2 mrad
RF Power Level	≤ 1.2 watt
Impedance	50 ohms @ Resonant Frequency
VSWR	$\leq 1.5:1$ @ Resonant Frequency
Package:	53A2198

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DEVICE SPECIFICATIONS

MODEL NUMBER

12050-3-TE

DOCUMENT NUMBER: 56A14292D

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	1.06 μ m
Window Configuration	AR "V" Coated
Static Transmission	$\geq 99\%$
Operating Frequency	50 MHz \pm 150 KHz
Mode spacing	300 KHz Typical
Mode Bandwidth -3dB	10 KHz approximate
Average Loss Modulation	10 % minimum with linear polarization, perpendicular to acoustic propagation
Acoustic Aperture Size	3 mm
Deflection Angle	8.9 mrad
RF Power Level	≤ 1.2 watt
Impedance	50 ohms @ Resonant Frequency
VSWR	$\leq 1.5:1$ @ Resonant Frequency
Package	53A2198

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DEVICE SPECIFICATIONS

MODEL NUMBER:

12041-3-TE

DOCUMENT NUMBER: 56A14290D

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	1.06 μ m
Window Configuration	AR "V" Coated
Static Transmission	$\geq 99\%$
Operating Frequency	41 MHz \pm 150 KHz
Mode Spacing	300 KHz Typical
Mode Bandwidth -3dB	10 KHz approximate
Average Loss Modulation	15% minimum with linear polarization, perpendicular to acoustic propagation
Acoustic Aperture Size	3 mm
Deflection Angle	7.3 mrad
RF Power Level	≤ 1.2 watt
Impedance	50 ohms @ Resonant Frequency
VSWR	$\leq 1.5:1$ @ Resonant Frequency
Package	53A2198

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DEVICE SPECIFICATIONS

MODEL NUMBER:

12038-3-TE

DOCUMENT NUMBER: 56A14291D

<u>PARAMETER</u>	<u>SPECIFICATION</u>
Interactive Material	SiO ₂
Acoustic Mode	Longitudinal
Operating Wavelength	1.06 μ m
Window Configuration	AR "V" Coated
Static Transmission	≥ 99 %
Operating Frequency	38 MHz \pm 150 KHz
Mode spacing	300 KHz Typical
Mode Bandwidth -3dB	10 KHz approximate
Average Loss Modulation	15% minimum with linear polarization, perpendicular to acoustic propagation
Acoustic Aperture Size	3 mm
Deflection Angle	6.75 mrad
RF Power Level	≤ 1.2 watt
Impedance	50 ohms @ Resonant Frequency
VSWR	$\leq 1.5:1$ @ Resonant Frequency
Package	53A2198

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