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12050-3-TE AOML

For use at the wavelength of 1064 nm with an operating frequency of 50 MHz, and an active aperture of 3 mm, with an AR-coated window.

Wavelength: 1064 nm
Operating Frequency: 50 MHz
Active Aperture: 3.0 mm
Window type: AR-coated

Product description

This mode locker transducer operates at a precise frequency with a very narrow bandwidth and includes a thermoelectric heat pump to fine-tune the resonant mode locker frequency which is adjusted to match the precise driver frequency.

Key features

- Precise frequency operation
- Very narrow bandwidth

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Specifications

Name	Value
Wavelength	1064 nm
Operating Frequency	50 MHz
Active Aperture	3.0 mm
Window type	AR-coated
Interactive material	SiO_2
Acoustic mode	Longitudinal
Operating wavelength	1.06 µm
Static transmission	≥ 99%
Mode spacing	300 KHz typical
Mode bandwidth - 3 dB	10 KHz approximate

Name	Value

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acoustic propagation

Deflection angle	8.9 mrad
RF power	≤1.2 W
Input impedance	50 Ω
VSWR	≤ 1.5:1
Package	53A2198