12038-3-BR-TE AOML

For use in the 700–1100 nm wavelength range with an operating frequency of 38 MHz, and an active aperture of 2 mm, with a Brewster window.

Wavelength: 1064 nm
Operating Frequency: 38 MHz
Active Aperture: 3.0 mm
Window type: Brewster

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	38 MHz
Active Aperture	3.0 mm
Window type	Brewster
Interactive material	SiO_2
Acoustic mode	Longitudinal
Operating wavelength	1.06 µm
Static transmission	≥ 99%
Mode spacing	364 KHz typical
Mode bandwidth - 3 dB	10 KHz approximate

Name	Value

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acoustic propagation

Deflection angle	6.75 mrad
RF power	≤1 W
Input impedance	50 Ω
VSWR	≤ 1.5:1
Package	53A3890

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Datasheet

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