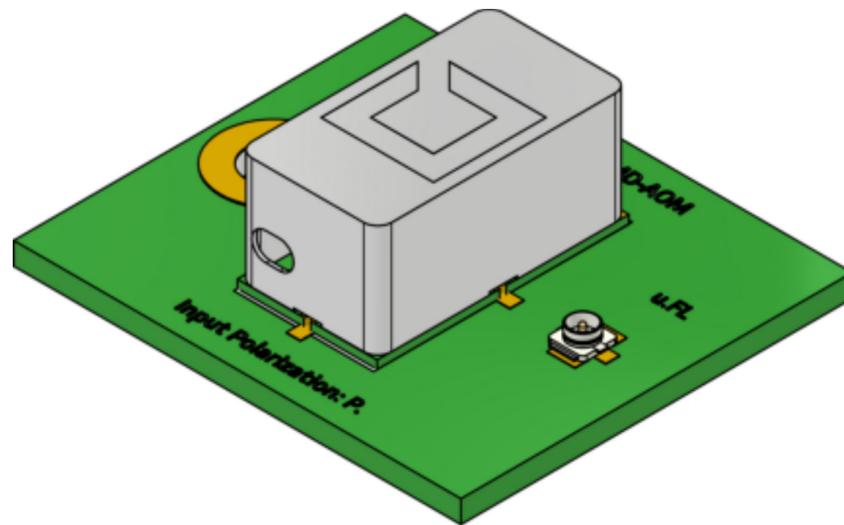


# Test Data sheet

## Isotropic SMD-AOM

D.AOM-000.00.0015

### Surface-Mount Acousto-Optic Modulator with Printed Circuit Board Test Mount

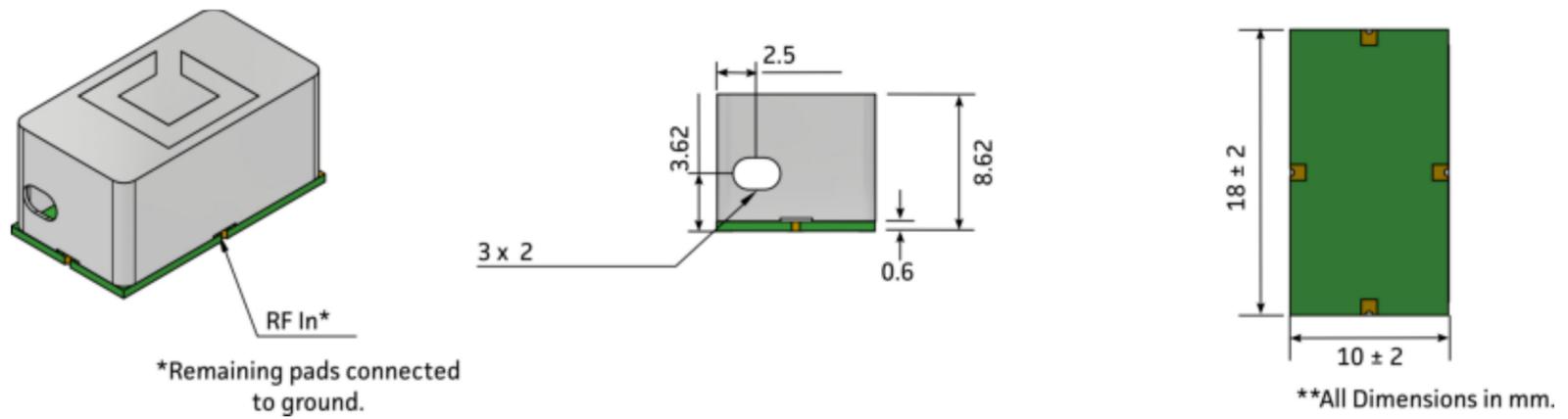


| Property                    | Value     | Unit            |
|-----------------------------|-----------|-----------------|
| Operating Frequency         | 106.6     | MHz             |
| Operating Wavelength        | 421       | nm              |
| RF Bandwidth                | 10        | MHz             |
| Rise-Time *                 | 170       | ns              |
| Saturation RF Power         | 700       | mW              |
| Saturation Diff. Efficiency | >80       | %               |
| Max. RF. Power              | 1         | W               |
| AR coating (R<0.5%)         | 400 - 650 | nm              |
| Aperture                    | 2 x 3     | mm <sup>2</sup> |

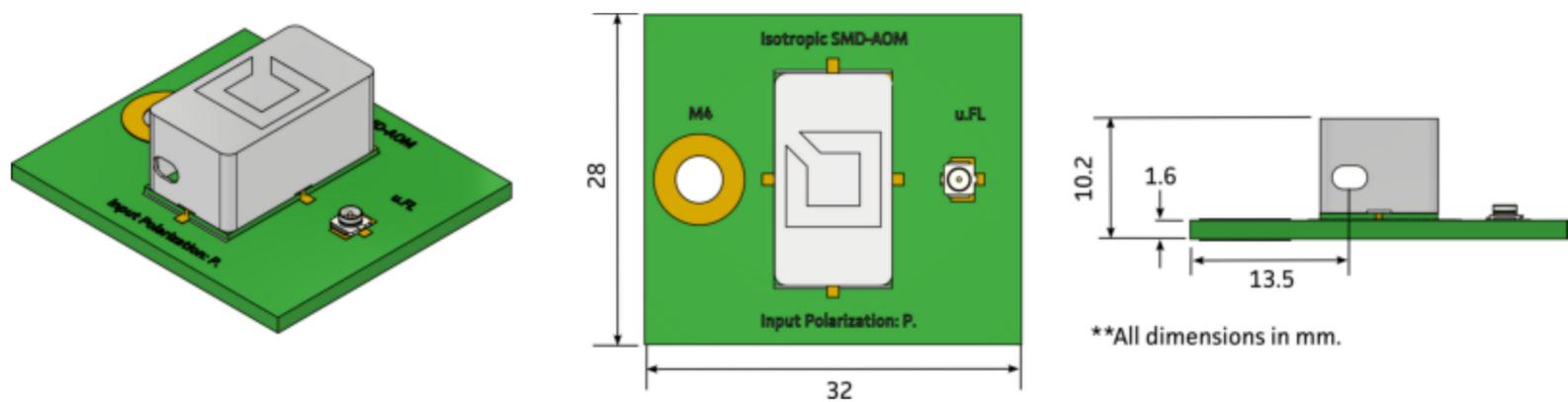
Measurements performed at room temperature. No damage with driving power below maximum value.

\* With a beam diameter of 420  $\mu\text{m}$ .

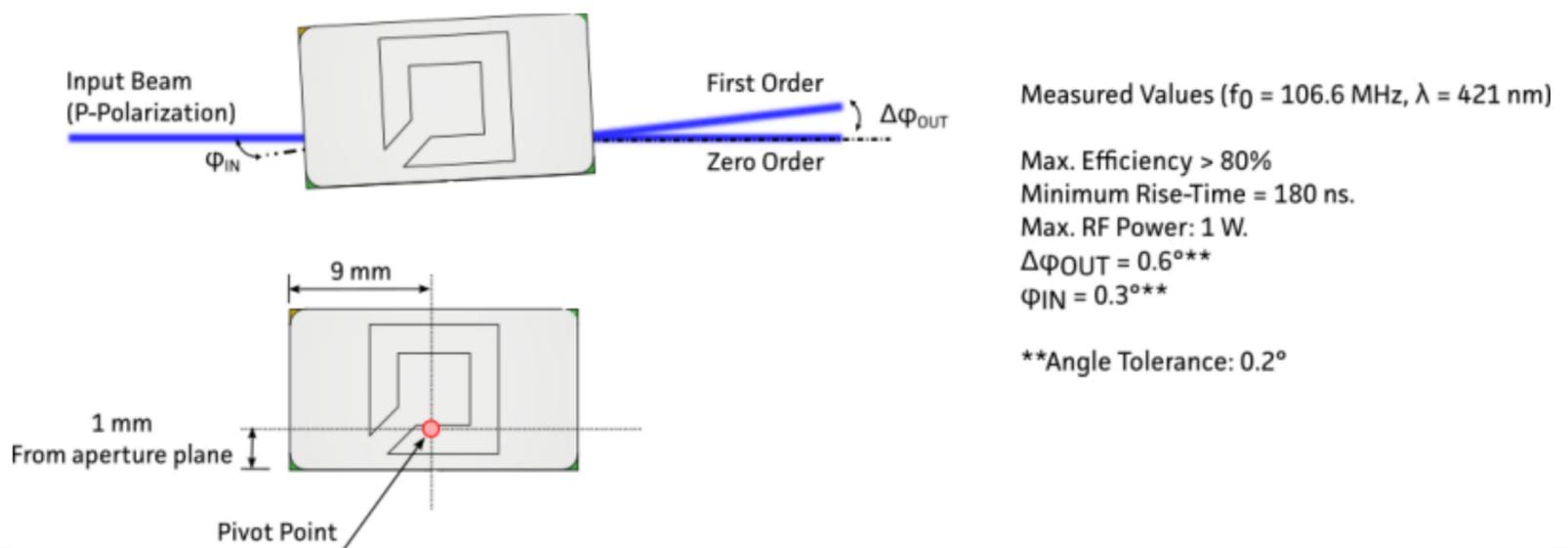
## SMD-AOM Drawings



## Mounted SMD-AOM Drawings



## SMD-AOM Alignment



## Handling instructions

- After turn on the RF power at the working frequency, the performance of the device might drift slightly. Please wait approximately one minute for correct thermallization.
- Please handle device carefully. Avoid shock. Do not drop.

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Tested by

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Tel: +49 89 2302 9101  
Fax: +49 89 2302 9102  
eMail: mail@qubig.com  
web: www.qubig.com

Qubig GmbH  
Balanstr. 572  
81451 Munich  
Germany