

## Fiber coupled AOM

Standard version – 1550 nm

Reference: 1550AOM-1

Technology/Crystal : TeO<sub>2</sub>\*

| SPECIFICATIONS                                  | Unit | Min        | Typ.             | Maximum | Comments     |
|---|------|------------|------------------|---------|--------------|
| Material  |      |            | TeO <sub>2</sub> |         |              |
| Wavelength                                      | nm   | 1470       | 1550             | 1630    | Customizable |
| Average optical power handling                  | W    |            |                  | 0.5     |              |
| Peak optical power handling                     | KW   |            |                  | 0.5     |              |
| Insertion loss**                                | dB   | 2.0        | 2.5              | 3.0     |              |
| Extinction ratio (1 <sup>st</sup> order on/off) | dB   | 50         | 55               |         |              |
| Rising time                                     | ns   |            |                  | 50      |              |
| Frequency                                       | MHz  |            | 80               |         |              |
| Frequency shift                                 | MHz  |            | +/- 80           |         |              |
| RF Power  | W    |            | 2.5              |         |              |
| Input Impedance                                 | Ω    |            | 50               |         |              |
| Electrical input interface                      |      |            | SMA              |         |              |
| Fiber type                                      |      | PM1550     |                  |         | Customizable |
| Fiber length                                    | m    |            | 1                |         | Customizable |
| Pigtail termination                             |      | FC/APC     |                  |         | Customizable |
| Working temperature                             | °C   | -20        |                  | 60      |              |
| Storage temperature                             | °C   | -30        |                  | 70      |              |
| Dimensions (without fiber boots)                | mm   | 60*25*12.5 |                  |         |              |
| Mounting holes diameter                         | mm   |            | 3                |         |              |

\*: See our tutorial : [fiber modulator](#)

\*\* : Insertion loss over the nominal wavelength ±50 nm. Add 0.5 dB to cover the full wavelength range

