



AA OPTO-ELECTRONIC and QUANTA TECH propose one of the most complete range of standard Acousto-optic components and associated Radio frequency drivers. AO devices cover wavelengths from 180 nm to 11  $\mu$ m. The range of RF drivers cover from DC to 3 GHz and up to 500 W. Drivers are matched to AO devices. Custom devices are welcome.

[INFOS - ACOUSTO-OPTIC - RF DRIVERS - CUSTOM ELECTRONICS - 21.09.2020](#)



### FREE SPACE VISIBLE COMPACT AOM

AA proposes this compact size visible AO modulator dedicated to OEM integration.

It can cover visible lasers from 450 up to 700 nm.

Associated RF driver MODAxx or Miniature TMODxx.

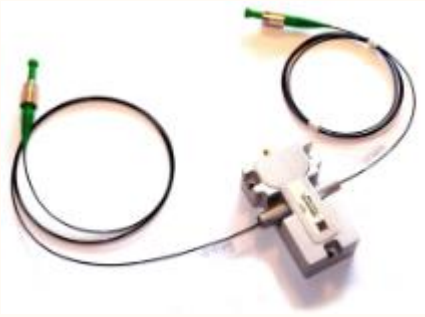
This device can also be used as a fixed or variable frequency shifter.



### 1 AXIS DEFLECTORS

High resolution, large scan angle.

Wavelength from 400 to 1600nm.



## FIBRE PIGTAILED

AA proposes scientific and industrial fibre components: modulators, pulse pickers, frequency shifters, q-switches...

Wavelengths from 400nm up to 2200nm...

Fibres Multi modes, Single Modes, PM, PLMA....



## 2 AXIS DEFLECTORS

AA proposes wide band, high efficiency, large apertures acoust-optic deflectors with their associated frequency drivers based on VCO or Direct Digital Synthesizers.

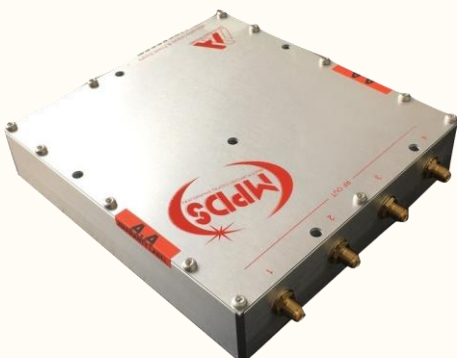
Wavelengths from 400nm up to 1600nm...



## NEW ULTRA COMPACT DRIVER

AA proposes an ultra compact, dual AM control digital+analog fixed frequency driver for AO modulators, fixed frequency shifters and pulse pickers.

Available up to 160MHz and up to 2.5W, this driver offers a huge extinction ratio with a very compact size...

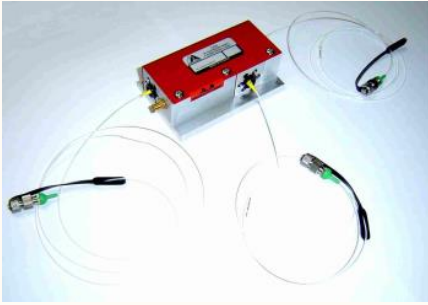


## MULTI OUTPUTS DRIVER

AA proposes a special driver with up to 4 or 8 independant outputs. This driver based on individual frequency synthesizers allows the use of different frequencies and powers for each output.

It is perfectly suitable to drive multiple AO devices or multi channels AOMs...

### 3 PORTS HIGH POWER AOM

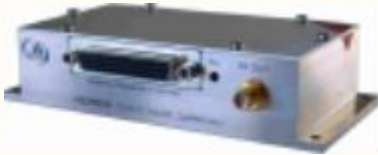


AA proposes 3 ports fibre AOM which can handle more than 5 watts RF power at 1064nm.

Possible wavelengths from 40nm up to 2200nm...

Fibres Multi modes, Single Modes, PM, PLMA....

### DDS - Direct Digital Synthesizer



AA proposes a fast accurate and stable digital synthesizer for deflectors or variable frequency shifters.

Frequency: 10-400MHz, control over 15 to 31 bits

Frequency commutation time: nom 50ns

Resolution down to 15KHz

Options: Multi-outputs, phase controllable, External ref