

# Azastra Opto

**Azastra Opto Inc**  
**PT6**

*(November 2016)*

Azastra Opto's superior technology allows engineers to expand performance and capability and to open new fields of applications for photo-transducers and optocouplers

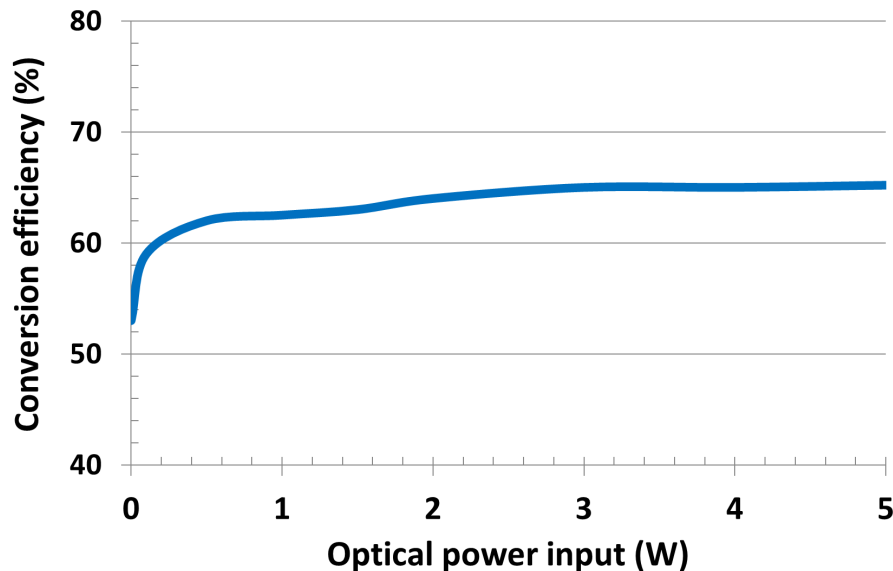
See also our LD3W lasers for your optical power requirements

## 6V Photo-Transducers

### FEATURES:

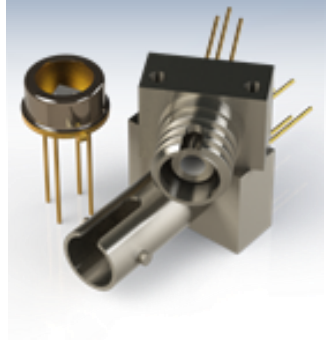
- Vertically Integrated 'VEHSA' Monolithic GaAs Power Converter
- Patent-pending technology
- Unprecedented performance and voltage capabilities
- Eliminates alignment and non-uniformity issues seen in other products
- Optimized for  $830\pm 30\text{nm}$
- Custom input wavelengths available
- Available in standard TO packages or with ST, FC and SMA connectors
- Custom designs available
- The ~65% conversion efficiency is the best in the industry

### BEST AVAILABLE POWER CONVERSION EFFICIENCY:



### HIGHER EFFICIENCIES GIVE THE FOLLOWING ADVANTAGES:

- Lower input power to obtain a given power requirement (increased laser lifetime)
- Higher power outputs for a given input
- Reduced thermal loads at the receiver and/or power source
- Increased possible transmission range of a fiber



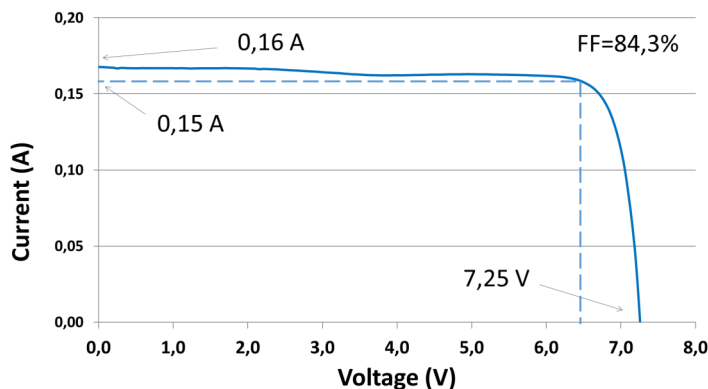
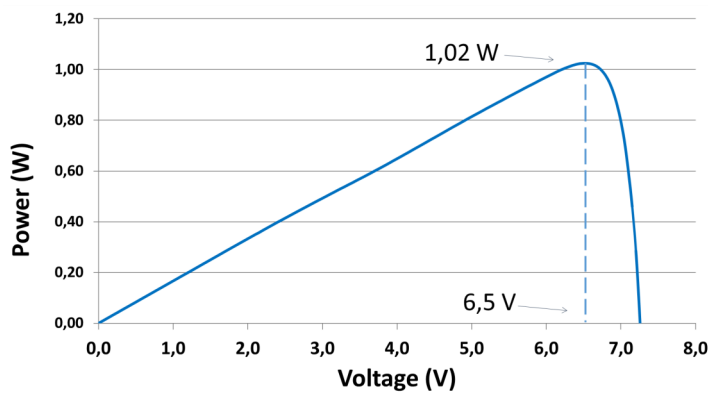
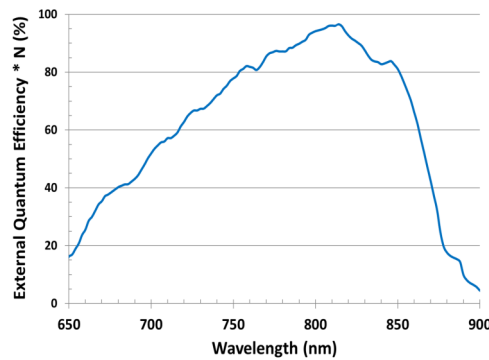
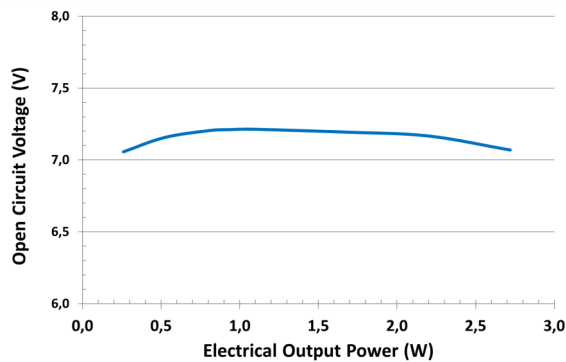
[sales@azastra.com](mailto:sales@azastra.com)



**Contact us**

## 6V Photo-Transducers

### PERFORMANCE DATA



- Optical input power of 1.7W for PV & IV curve shown
- Chips illuminated with 830nm laser light
- Max operating optical power up to 8 W (50 W available on request)
- Performance may vary with increased temperature, load impedance and input wavelength
- Detailed datasheet available upon request

Our patent pending Vertical Epitaxial Hetero-Structure Architecture (VEHSA) offers inherent key advantages

Better tolerance to beam alignment

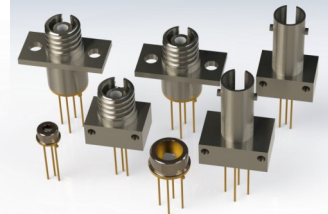
Enhanced Voc's

Robust wafer fabrication

Operating voltage readily designed within our epitaxy process

Output powers up to 5 W and beyond.

Available in volume.



Contact us for standard products or custom solutions

[sales@azastra.com](mailto:sales@azastra.com)



**Contact us**