



### SHORT PULSED FIBER COUPLED COMPONENTS

## Series 2675F

### IR (905 nm) Fiber Coupled Epi-Stack Pulsed Lasers for Military and Industrial Applications

The Series 2675F Epi-Stack is an extremely high power Fiber Coupled 905nm pulsed laser diode capable of 50W peak output from a 200µm, .22NA core fiber. Each laser is a single, monolithic chip that incorporates three high efficiency, epitaxial stacked emitters. The lasers provide high power from a small emitter area, providing simplified system design and lower overall cost. Stacked and linear arrays for even higher power are available on

special order. Defense applications include LIDAR, range finding, illumination, security-detection and ordinance fusing-ignition. Industrial applications include commercial range finding, illumination, security-detection, and ordinance fusing-ignition. Industrial applications include commercial range finding, adaptive cruise control, geoscanning-mapping and cellometers. 400µm core fiber coupled version of these devices is also available on request.

### Typical Specifications @ 25°C, 100 nsec, 2 KHz

Series 2675	2675F
Output Power	50W
Operating Current	30 A
Threshold Current	0.75A
Typical Wavelength	905 nm ±10 nm
Spectral Width	7 nm
Slope Efficiency	1.8 W/A
Max Duty Cycle	0.1%
Pulse Width	≤ 100 ns
Fibecore	200µm, .22NA
Fiber NA	.22NA Typ. (0.16 upon request_
Output NA	< .16
Reverse Voltage	3 V
Typical Packages	TO56F, other available on request

### Safety

Intense Aluminum Gallium Arsenide lasers emit infrared radiation. This radiation is invisible to the human eye and safety precautions must be taken to prevent potential eye damage. Do not view or stare at operating lasers. If viewing is required, use a matte surface or suitable viewing screen.

#### Disclaimer

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