

CHAPTERS

- Coherent Sources
- Incoherent Sources
- Quantum Electronics
- Drivers/Mounts
- Accessories

SECTIONS

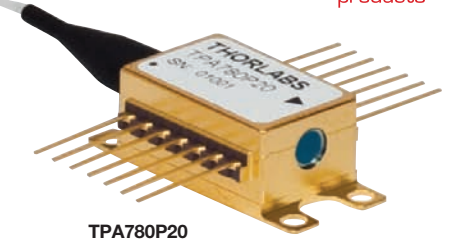
- Mounted LEDs
- Unmounted LEDs
- SLDs
- ASE Sources
- Lamps
- Optical Amplifiers

Tapered Amplifiers

Features

- Output Centered at 780 or 850 nm
- 20 nm FWHM Amplifying Range
- 20 dB Gain
- 14-Pin Butterfly Package (See Drawing Below for Dimensions)

NEW products



TPA780P20

Thorlabs' innovative Tapered Amplifiers consist of an optical amplifier integrated into an industry-standard, 14-pin butterfly package (see drawing below for dimensions). By incorporating telecom advances into the tapered amplifier field, Thorlabs has developed a new type of modular tapered amplifier that is both easy to use and integrate into larger systems.

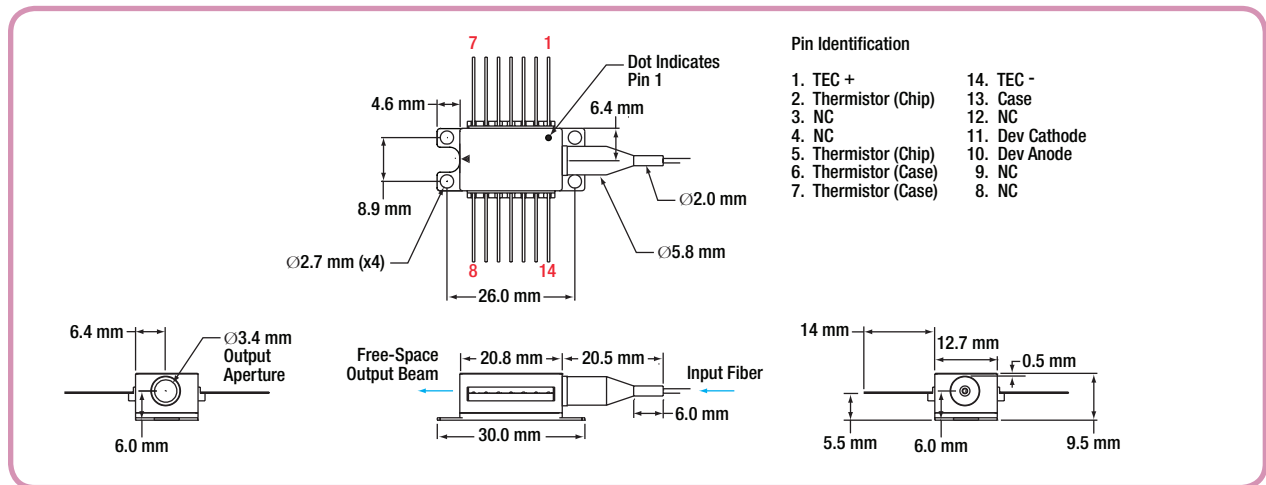
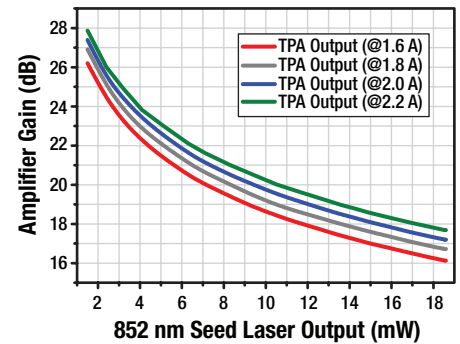
The input to the butterfly package has been fiber coupled to eliminate tedious alignment procedures that customers typically have to perform when working with a traditional tapered amplifier. In addition to eliminating the input alignment, the butterfly package completely protects the amplifier itself from damage and contamination, yielding an extended lifetime. Our tapered amplifier design also incorporates collimating and beam-shaping optics to produce a nearly circular, collimated output beam. The PM fiber input simplifies the connection to any type of seed laser, such as home-built or custom External Cavity Lasers (ECLs) (see pages 1286 - 1299 for Thorlabs' line of ECL Kits).

Due to the widespread use of 14-pin butterfly packages, users have a variety of mounting options, including Thorlabs' mounts and drivers. Please contact Technical Support or visit the web for details regarding our latest developments and upcoming releases.

ITEM #	TPA780P20	TPA850P10
Center Wavelength	780 nm	850 nm
Small Signal Gain	20 dB	
FWHM Bandwidth	20 nm	
Operating Current	4 A (Max)	2.5 A (Max)
Output Power*	2 W (Max)	1 W (Max)
Fiber	PM780-HP	
Connector	FC/APC, 2.0 mm Key	
Laser Class	4	

* Seed Laser Dependent

TPA850 Gain



ITEM #	\$	£	€	RMB	DESCRIPTION
TPA780P20	\$ 5,400.00	£ 3,888.00	€ 4,698.00	¥ 43,038.00	780 nm Tapered Amplifier, 20 nm BW, Butterfly Pkg, PM Fiber, FC/APC
TPA850P10	\$ 5,400.00	£ 3,888.00	€ 4,698.00	¥ 43,038.00	850 nm Tapered Amplifier, 20 nm BW, Butterfly Pkg, PM Fiber, FC/APC