



VERSION: MD49/5  
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## OEM Amplifier GainBlock

Fibercore's GainBlock simplifies the manufacturing of high power amplifiers and lasers by providing cladding pumped erbium/ytterbium doped fiber pre-spliced to a signal and pump combiner. The GainBlock is a packaged unit engineered to manage the high pump powers at the input and output splice points, giving thermal heat sinking to the casing for maximum reliability. The unit provides outstanding optical performance with efficiencies >40% achievable with signal power levels at 5W.

### Advantages:

- Compact package (70 x 90 x 10 mm)
- High Output Power, up to 5W
- High efficiency >40%
- Flat Spectral Gain

### Typical applications:

- Booster stage for amplifiers and fiber lasers.  
Pulsed & CW operation

### Product Variants:

- **GB1500-2W**                      2W passive amplifier
- **GB1500-5W**                      5W passive amplifier

### Specifications

	GB1500-2W	GB1500-5W
Operating Wavelength (nm)	1550 - 1565	
Output Power (W)	2	5
Input Power (mW)	10 typical	
Pump Power @940nm To Reach Output Power	7 - 8 typical	12 - 16 typical
Pump Port 1&2	MM 105/125 0.22 NA with loose buffer	
Input Signal Port	G652 type SM fiber	
Output Signal Port	G652 type SM fiber	