

## Low Profile Ultra-Light Optical Line

## PAMP-LA

### Product Description:

Plexstar® PAMP-LA-10, PAMP-LA-15, PAMP-LA-30 are low profile ultra-light optical line amplifiers those amplify optical signals directly without the need to first converting them to separate electrical signals. These PAMP-LA are designed with dual-stage pump laser and internal Gain Flattening Filter (GFF) to compensate the Erbium fiber gain variation. These are typically used as an intermediate point in the network to increase DWDM channel power levels.

### Application/Use:

- Amplification of optical power, gain up to 30dBm
- Amplifies entire C-Band 1528nm ~ 1561nm of all 40 lambdas of 10G traffic at repeating stations with 100GHz channel spacing



### Features:

- Input Power: -25~-10 dBm Low Noise Figure: Typical 4.5dBm High Flatness
- High saturation output power
- Highly precise AGC and ATC circuits
- Adjustable gain via network
- Network management

### Power:

- Input power: 110/220VAC or -48VDC
- Power consumption: 60 watts
- Dual power input

### Physical Dimension:

- Size: 19" x 11" x 1U
- Weight: 5 lbs