

# OPTICAL FIBRE AMPLIFIERS (EDFA)

The KOA Series is a low noise, high performance, Fibre to the premises (FTTP) high power, multi-ports optical amplifier with a gain spectrum bandwidth within 1540~1563nm range. The output port for the optical amplifier has a built-in Coarse Wavelength Division Multiplexer to enable multiplexing with corresponding input ports connecting to a carrier OLT PON port should this be required.

Each 1550nm (CATV)'s output optical port can optically multiplex with corresponding 1310/1490n's carrier OLT PON input data stream to reduce the number of components and improve the reliability of the system.

## FEATURES

- Built-in low noise pre-amplifier
- 1540~1563nm operating bandwidth for optical amplifier
- Optional optical output power range of 200~2500mW (23~34dBm)
- 4~32 uplink optical ports, for OLT
- 4~32 1550nm output optical ports, multiply 1310/1490 data stream
- Each output optical port includes built-in high performance CWDM, single fibre, to save optical fibre resources
- Compatible with any FTTx PON technology: EPON, GPON
- Carrier level reliability with network management
- SNMP Management interface
- Efficient space, simple and reliable in construction/maintenance
- Dual power supply, 1+1 backup

## AMPLIFIERS WITH WDM

PART NUMBERS	DESCRIPTION
KOA4P	4 Port 1550nm Optical Fibre Amplifier - 15.5dBm per port (23dBm total)
KOA8P	8 Port 1550nm Optical Fibre Amplifier - 15.5dBm per port (27dBm total)
KOA16P	16 Port 1550nm Optical Fibre Amplifier - 15.5dBm per port (30dBm total)
KOA32P	32 Port 1550nm Optical Fibre Amplifier - 15.5dBm per port (34dBm total)

\*customised models available upon request



KOA4P



KOA8P



KOA16P



KOA32P