

# Erbium Doped Fiber Amplifier

Fujikura's Erbium doped fiber amplifier is installed for 1.55  $\mu$  m analog transmission system. In addition to high output power and low noise figure, low distortion is achieved by the optimization for CATV application.

## Features

- ◆ High output power
- ◆ Low noise figure
- ◆ Wide operating wavelength
- ◆ Optimized for CATV application
- ◆ 19 inch rack mount housing
- ◆ 9 EDFA-units are mountable in mainframe
- ◆ Auto shutdown function for open of output connector
- ◆ Power redundancy (Duplex power units are available)
- ◆ SNMP network management



# Specifications of EDFA

Parameters	Unit	Specifications
Model	-	FOAM-U12
Input voltage range	%	100V±10
Operating temperature	degC	0 ~ +40
Storage temperature	degC	-20 ~ +70
Humidity	%	10 ~ 90 (Non-condensing)
Dimensions	mm	482.6(W) x 400(D) x 132.5(H)
Wavelength range	nm	1530 ~ 1560
Optical input power (Pin)	dBm	-3 ~ 10
Optical output power (Pout)	dBm	17(@Pin=0dBm, $\lambda$ =1550nm)
Noise figure	dB	≤5.0 (@Pin=0dBm, $\lambda$ =1550nm)
Output power stability	dB	≤0.5
PDG	dB	≤0.3
In/Out connector	-	SC/APC
Fiber	-	1.31 $\mu$ m SMF

For more information :

URL : [http://www.fujikura.co.jp/ie\\_e.html](http://www.fujikura.co.jp/ie_e.html)

E-Mail : [opt-device@fujikura.co.jp](mailto:opt-device@fujikura.co.jp)

TEL : +81 3 5606 1203 FAX : +81 3 5606 1535