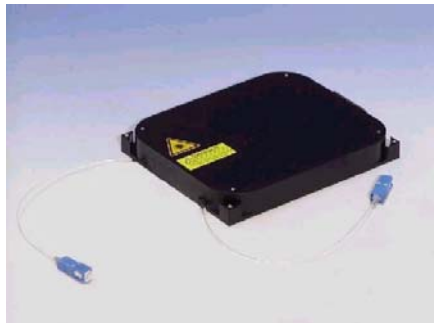


EDFA for Analog CATV networks



Applications

- Video, analog or Booster applications
- Single-channel or small number of channel networks

Product type: ErFA 33211, 33212, 33213, 33214

Descriptions

ErFA3321x Series is designed for use in video, analog, or booster amplifications. Amplifier control is easily configurable using RS232 command set with selectable option of constant amplifier output power, constant current, constant gain, and constant pump laser back facet power.

Features

- Up to +24dBm output power
- Low noise, low distortion
- Incorporating 1x2 to 1x16 splitter
- Full function optical amplifier
- User friendly interface (standard RS232 operation)
- Small package size (150 x 125 x 20mm [w/o heatsink])
- Single +5V supply

Environmental conditions

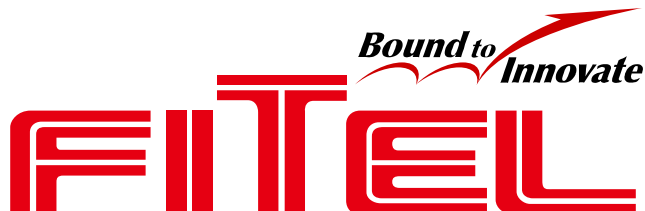
Items	Specification		Unit	Note
	Min	Max		
Operating case temperature	-5	65	deg. C	Heatsink is available if you request it
Operating humidity	5	85	%RH	No dew condensation
Storage temperature	-40	85	deg. C	-
Storage humidity	0	85	%RH	No dew condensation

Design with wider temperature operation is available upon request with special heatsink design.

Data Sheet

ErFA 3321x Series

Mar. 2010



Specifications

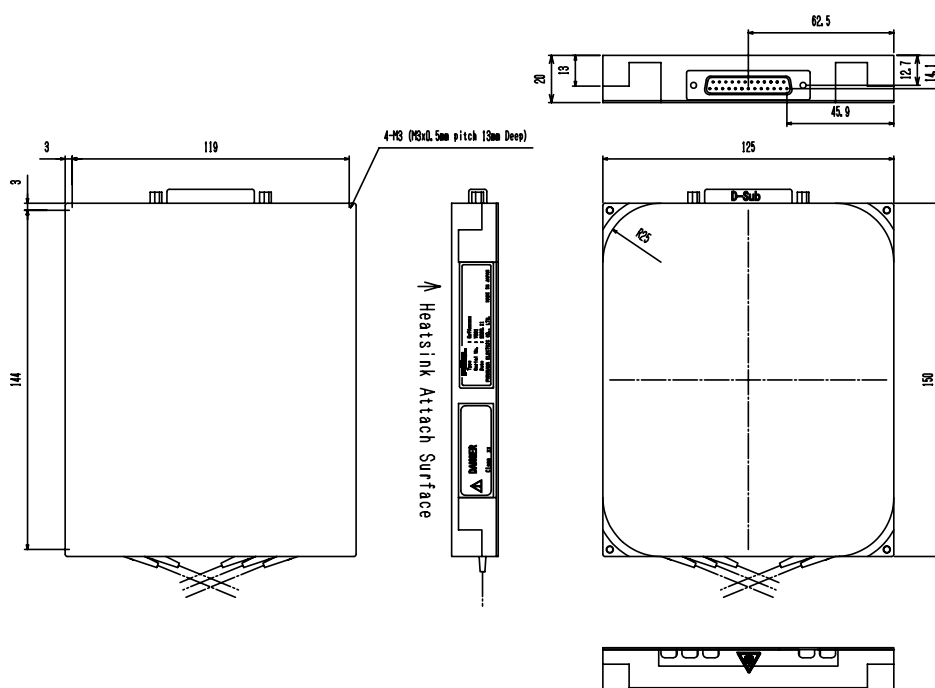
Items	ErFA 33211	ErFA 33212	ErFA 33213	ErFA 33214	Unit
Total output power	+18	+20	+22	+24	dBm
Number of optical output port	1 - 16				port(s)
Wavelength ranges	1540 - 1560(*1)				nm
Input power	-3 - +10(*1)				dBm
Noise figure	Typ. 5				dB
Polarization dependent gain	< 0.5				dB

*1: Other specification is available upon request.

Dimensions and interfaces

Items	Specification
Dimension	125mm x 150mm x 20mm
Supply voltage	DC +5V
Electrical connector interface	D-sub 25 Pin (male)
Control interface	RS-232
Control function	Constant output power control, Constant gain control, Constant pump current control, Constant pump laser backfacet power control, Shutdown, Output power reduction
Monitor function	Input / Output power level, pump LD status, EDFA case temperature
Alarm function	Loss of signal (LOS), Loss of output power, pump LD current /temperature, EDFA case temperature

Outline drawing



Data Sheet

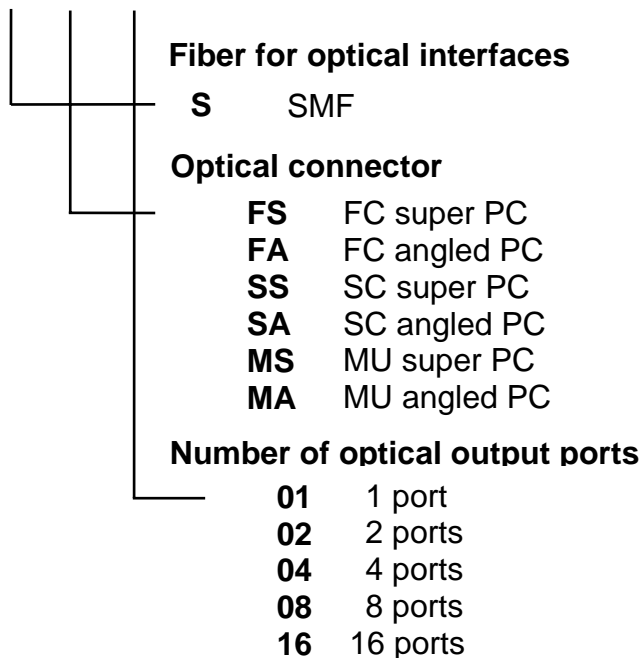
ErFA 3321x Series

Mar. 2010



Ordering information

ErFA3321x - X YY ZZ



Safety information



Furukawa Electric reserves the right to improve, enhance and modify the features and specifications of FITEL products without prior notifications.

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