

ELECTROLINE



EG-FA Fiber Amplifier

Description

The EG-FA is a fiber amplifier and power supply integrated in a 1RU shelf. It

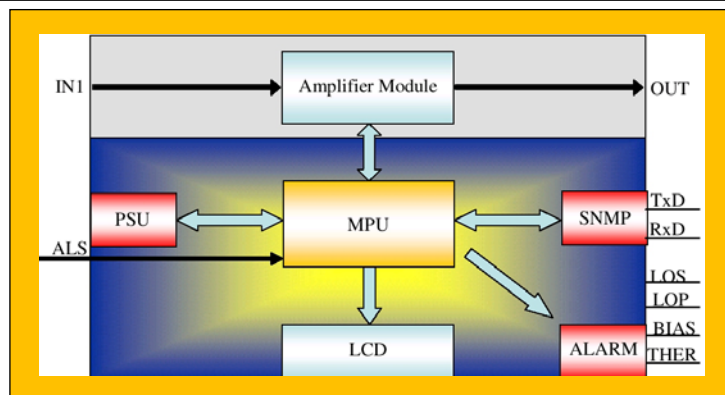
has been designed and optimized for CATV and the passive optical network (PON) applications including HFC and RFoG. The EG-FA provides stable optical outputs over a wide operating temperature range. It is supported with input and output isolators for enhanced system stability and performance. The EG-FA incorporates electrical control circuitry with a digital signal processor and includes photodiodes for monitoring the optical input and output power through tap couplers.



The EG-FA offers a rich set of features. These include remote management capability through SNMPv2 and telnet. It also fully supports MIB specified by SCTE (Society of Cable Television Engineers) for this product class. The front panel's LCD and button provides the operator with the option to both monitor the status of the amplifier and control/operate the amplifier locally.

Features

- High saturation output power
- Hot swappable and field replaceable dual power supply
- CATV–field–proven low noise figure
- Wide input dynamic range
- Very stable output power over a wide operating temperature range
- Control & monitor with SNMPv2
- AC 85-265 volt or DC -48 volt (optional)
- Automatic Power Control(APC) or Automatic Gain Control (AGC),
- Alarm LED for :
 - Loss of input
 - Loss of Output
 - Pump temperature
 - Pump Bias Current



Specifications

Parameter	Units	Value (Note 1)	Note
Signal Wavelength Range	nm	1528 to 1562	
Input Power	dBm	-10 to 12	
Output Power per Port	dBm	See ordering information	Note
Number of Output Port		1/2/4/8/10	
Noise Figure	dB	5	2
Optical Isolation	dB	30	
Mechanical and Management			
Operating Temperature Range	°C	0 to 50	
Storage Temperature Range	°C	-40 to 85	
Relative Humidity	%	0 to 95	
AC Power Supply Voltage	Vac.	85 to 265	
AC line frequency	Hz.	50 or 60	
DC Power Supply Voltage	Vdc	-36 to -72	
Power Consumption	Watts	Depends on model	
Approvals		FDA/CDRH Class IIIb IEC ® 60825 Class 3B laser	
Laser Class		Class 3B per IEC 60825-1:1993	
Notes:			
1) Specifications are subject to change without notice.			
2) Test Condition: Input Power = 0 dBm (@ 1550nm).			

Ordering Information

# Of Char: 10	5		4	1		1	2
Field #	1	-	2	3	-	4	5
Feature description	EG-FA		Output Power/ #Ports	Position of Optical Connector		Power Supply	Connector
Select option here	EG-FA	-	22/8	F	-	1	SA
OPTIONS			17 dBm 1 ports	F = Front B = Back		1 = Single AC	SA=SC/APC FA=FA/APC
			18 dBm 2 ports			2 = Single DC	
			19 dBm 4 ports			3=Dual AC	
			20 dBm 8 ports			5=Dual DC	
			22 dBm				

Corporate Headquarters
Electroline Equipment Inc.
 395 Lebeau Blvd.,
 Saint-Laurent, Quebec H4N 1S2
 Canada

Telephone
North America (800) 461-3344
Elsewhere (514) 374-6335

Fax
Corporate / Ordering
 (514) 374-2257

General Inquiries
info@electroline.com
Technical Support
support@electroline.com