

ACI 5019 Series ED5019-Erbium-Doped Fiber Amplifier

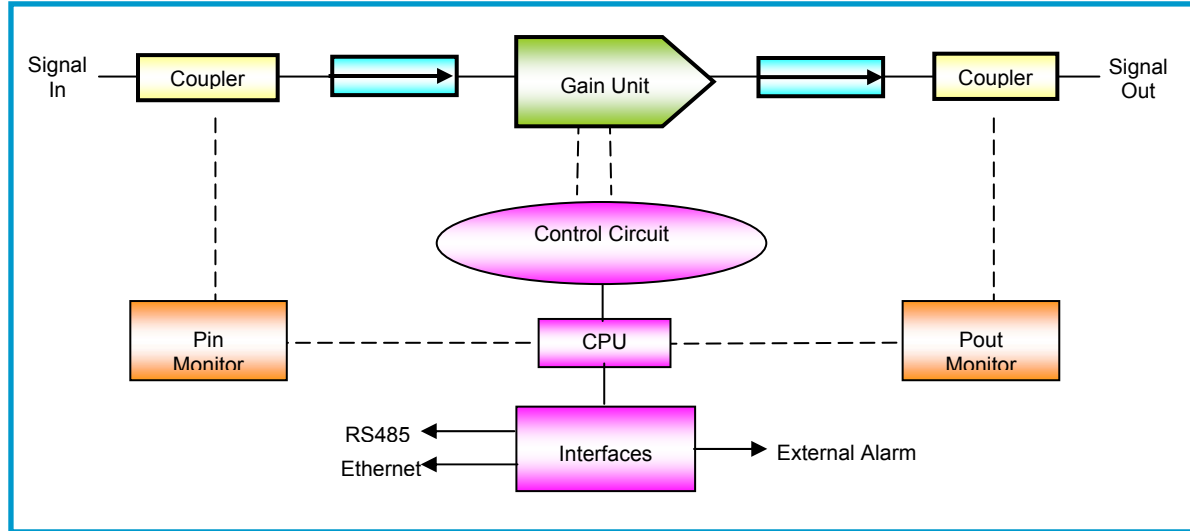


The ED5019 is a high performance optical amplifier designed for 1550 nm based network applications. It consists of 1RU rack mount modules for 19" rack and provides a cost effective solution for long haul applications, fiber dense architectures, and evolving transport architectures such as broadcast layer transmission and redundant rings.

Features

- 1U 19 inch rack housing
- Output power ranges available from 14 to 23 dBm for 1 output or 11 to 20 dBm for 2 outputs
- High reliability 980/1480 nm pump
- 1 or 2 port(s) output option
- Wide operating range, high gain, low noise figure
- RS485/Ethernet control interface
- Advanced heat sink design laser diode
- Remote monitoring by SNMP (optional)

Block Diagram

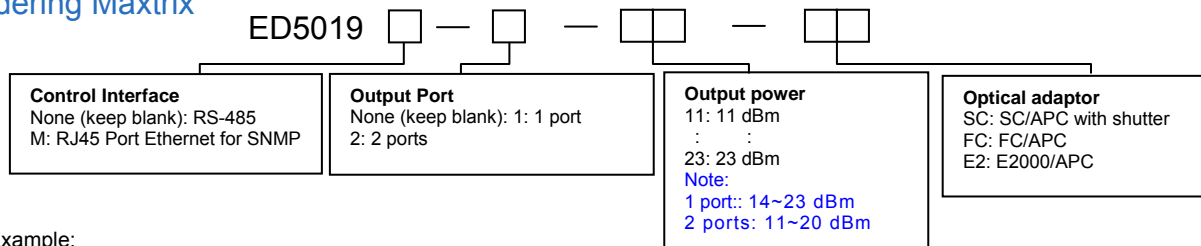


Specifications

ACI Communications, Inc.			ED5019 Erbium-Doped Fiber Amplifier
OPTICAL PARAMETERS	CONDITIONS	UNITS	MANUFACTURING SPECS.
Optical wavelength		nm	1540 to 1560
Connector type		NA	SC / APC with shutter, FC / APC or E2000 / APC (Optional)
Noise figure @ Pin (EDFA) = 0 dBm	@ Pout <20 dB	dB	≤5.0
	@ Pout ≥20 dB		≤5.5
Optical input power range		dBm	-5 to +10
Optical output power	1 port	dBm	14 to 23
	2 ports		11 to 20
Polarization sensitivity		dB	≤0.5
Optical power variation		dB	±0.5
Optical input power for rated output power	Min. (when output ≤20 dBm)	dBm	0
	Min. (when output ≤24 dBm)		4
ELECTRICAL/PHYSICAL/ENVIRONMENTAL			
Control interface		NA	RS 485 or Ethernet (SNMP)
Power supply	Max.	NA	90 to 260 VAC, 50/60 Hz, 50 W
Operating temperature		°C	0 to 50
Storage temperature		°C	-20 to 60
Relative humidity	Max.	%	85
Dimensions	w x d x h	mm	485 x 350 x 45
Weight		Kg	<5.2

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Ordering Maxtrix



Example:
 ED5019-16-SC: EDFA w/RS-485, 1port x 16dBm, SC/APC adaptor
 ED5019M-2-17-SC: EDFA w/ Ethernet, 2 ports x 17dBm, SC/APC adaptor

