

### Key Features

- Compact and robust EDFA OEM module with standard RS232 communication interface
- Optimized for input power of -10 dBm to 0 dBm
- Extended operation temperature range available, etc., -20 to +65 °C case temp.

### Applications

- CATV, Test & Measurement, Sensing, R&D, etc.

### Typical Specifications

Parameter	Min.	Typ.	Max.	Units
C-band Wavelength Range <sup>(1)</sup>	1535	-	1565	nm
C-band output power	-	-	40	dBm
L-band Wavelength Range	1570	-	1610	nm
L-band output power	-	-	37	dBm
Polarization sensitivity	-	-	0.5	dB
Polarization mode dispersion	-	-	0.5	ps
Temperature range of operation	-5	25	50	°C
Input voltage rating <sup>(2)</sup>	+5, +24			VDC
Power dissipation <sup>(3)</sup>	-	-	120	W
Input/Output Connectors	Customer specified, FC/UPC, FC/APC, etc.			

**Specifications are subject to change without prior notice**

#### Note:

- (1) Output power is less for input wavelength below 1540 nm
- (2) Depends on the selection of the optical output power, etc.
- (3) Depends on the selection of the optical output power

**Ordering Information:**

EDFA-CW-HP-	<input type="checkbox"/> <input type="checkbox"/>	-	<input type="checkbox"/> <input type="checkbox"/>	-	<input type="checkbox"/> <input type="checkbox"/>	-	<input type="checkbox"/> <input type="checkbox"/>	-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<u>Wavelength Range</u>		<u>Package Type</u>		<u>Output Power (dBm)</u>		<u>Signal Gain (dB)</u>		<u>Optical Termination</u>
	C-band C0 single channel		MR MSA compatible, control electronics included		Eg.: 33 +33 dBm		Eg.: 33 33 dB		FCU FC/UPC FCA FC/APC LCU LC/UPC LCA LC/APC SCU SC/UPC SCA SC/APC CUS Customer Specified
	L-band L0 single channel		RS Nuphoton custom chassis, control electronics included						
			PR 19" rack-mount						
			TT Table Top						

**Ordering Example 1:**

Model Number	EDFA-CW-HP-C0-MR-27-20-FCA
Wavelength Range [nm]	1535 – 1565, single-channel
Package Type	Module, MSA chassis
Saturated Optical Output Power [dBm]	+27
Nominal Signal Gain [dB]	20
Optical Input / Output Termination	FC/APC

**Ordering Example 2:**

Model Number	EDFA-CW-HP-L0-RS-37-33-FCA
Wavelength Range [nm]	1570 – 1610, single-channel
Package Type	Module, Nuphoton custom chassis
Saturated Optical Output Power [dBm]	+37
Nominal Signal Gain [dB]	33
Optical Input / Output Termination	FC/APC