

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 ⁽¹⁾	1535	-	1565	nm
C-band output power	-	-	40	dBm
L-band Wavelength Range	1570	-	1610	nm
L-band output power	-	-	37	dBm
Polarization extinction ratio	20	-		dB
Temperature range of operation	-5	25	50	°C
Input voltage rating ⁽²⁾	+5, +24			VDC
Power dissipation ⁽³⁾	-	-	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-PMHP-	<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.:		FCU FC/UPC FCA FC/APC		
L-band L0 single channel		RS Nuphoton custom chassis, control electronics included				33 33 dB		LCU LC/UPC LCA LC/APC SCU SC/UPC SCA SC/APC CUS Customer Specified		
		PR 19" rack-mount								
		TT Table Top								

Ordering Example 1:

Model Number	EDFA-CW-PMHP-C0-MR-30-20-FCA
Wavelength Range [nm]	1540 – 1565, single-channel
Package Type	Module, MSA chassis
Saturated Optical Output Power [dBm]	+30
Nominal Signal Gain [dB]	20
Optical Input / Output Termination	PM-FC/APC

Ordering Example 2:

Model Number	EDFA-CW-PMHP-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	PM-FC/APC