



**NEW PRODUCT**

# Optical amplifier for PON system

This module is a loss budget extension bidirectional SOA-type optical amplifier for PON systems.

The key features are:

- ALC (auto level control) amplification of the upstream burst signal of each optical packet with different input levels.
- Upstream (1270/1310 nm): wide input range 22 dB.
- Downstream (1490/1577 nm): high output level +9 dBm.
- Gain, output level, etc... customizable.



## Specifications

### • Optical Specifications

Parameter	Min	Typ	Max	Unit	Note
<b>Wavelength</b>	$\lambda 1: 1270 / \lambda 2: 1577$ $\lambda 3: 1310 / \lambda 4: 1490$			nm	
<b>Input power</b>	-34		-12	dBm	$\lambda 1$
	+2		+5	dBm	$\lambda 2$
	-34.4		-15.4	dBm	$\lambda 3$
	+3		+7	dBm	$\lambda 4$
<b>Output power</b>	-28		-6	dBm	$\lambda 1$
	+8			dBm	$\lambda 2$
	-28.4		-9.4	dBm	$\lambda 3$
	+9			dBm	$\lambda 4$

### • General specifications

**Power supply voltage** 90 V ~ 130 V

**Dimensions** W 450 x D 376 x H 88 (mm) (19inch2U)

### Contact information

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Product specifications and descriptions  
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## ◆ Ordering information



Example:  
**BMS - 02 - S0**

adapter	option
00:FC/SPC 01:FC/APC 02:SC/SPC 03:SC/APC	S0:standard specifications S1:customized specifications