

X86-SOA

1 - Channel 40G &100G SOA Amplifier

2 - Channel 40G &100G SOA Amplifier



FEATURES

- Amplification of optical signal in the range of 1260~1360 nm
- Maximum possible speed 160 Gb/s
- Low output noise
- Low polarization dependent gain

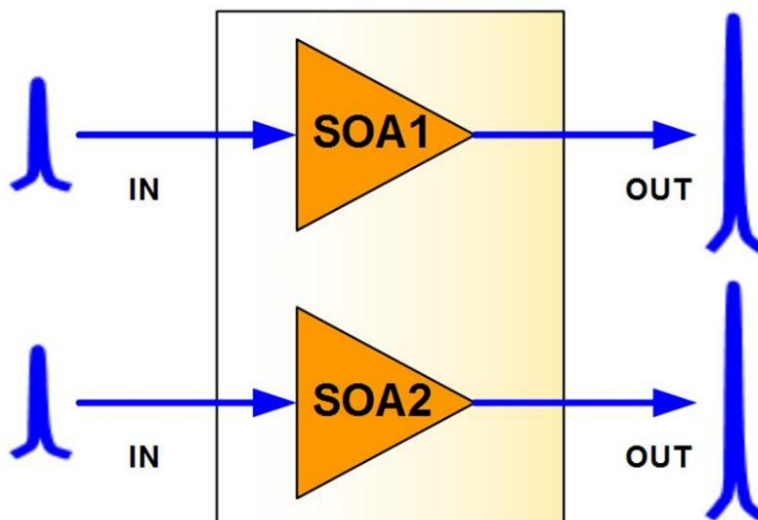
DESCRIPTION

X86-SOA is XenOpt's O-band semiconductor optical amplification board. Its main function is to amplify the optical signal in the range of 1260~1360 nm. The maximal supported rate is 160 Gb/s. Its qualities are stable output power, low output noise and low polarization dependent gain. It's appropriate for the amplification of 40 G or 100 G small power signals.

APPLICATIONS

- Amplification of 40 G or 100 G

FUNCTIONAL STRUCTURE



PRODUCT SPECIFICATION

Function		Minimum Value	Normal Value	Maximum Value
Working wavelength range	40GE	1260 nm		1340 nm
	100GE	1290 nm		1320 nm
Input optical power range		-20 dBm		-10 dBm
Saturated output power			10 dBm	
Gain			14 dB	
Noise			7.5 dB	
Polarization dependent gain				2 dB
Occupied slot number	Occupy 1 slot, applicable to the platform of the whole X8600 series			
Network management function	<ul style="list-style-type: none"> • Support time monitoring of the port working state, including: input optical power, output optical power, gain, temperature, etc • Support adjustable APC gain • Support adjustment of output optical power range and input optical power threshold 			
Optical interface	All interfaces are LC type			
Typical power consumption	20 W			
MTBF	> 100000 hours			

Notes

- (1) Specified insertion loss is the max IL value within C - band (1525nm-1565nm).
- (2) PMD is the average differential group delay within C - band measured by Jones Matrix method
- (3) Values of parameters for intermediate lengths increase linearly with compensation distance, see ordering for for available compensation distances
- (4) Modules for other distances/compensation dispersion can be produced on request.

ORDERING INFORMATION

Part number	Product Description
X86-SOA-1	1-Channel 40 G & 100 G SOA Amplifier, max output 10 dBm, 1270-1330 nm
X86-SOA-2	2-Channel 40 G & 100 G SOA Amplifier, max output 10 dBm, 1270-1330 nm

Notes:

For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice. XenOpt does not guarantee errorless or outdated information.

COMPANY INFORMATION

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PARTNER INFORMATION

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