



上海量青光电技术有限公司

1310nm 半导体光纤放大器

1310nm Semiconductor Optical Amplifier (SOA)



Description:

1310nm Semiconductor Optical Amplifier (SOA), Operating wavelength 1250-1350nm, Optical input power -20-3dBm, Optical output power 10dBm. OEM model is well available on customer's special request.

Applications:

Analog and digital CATV system
Long distance transmission system
Access network
LANs and WANs

Features:

Intelligent MPU monitor
High output and high gain
Low noise figure

Parameter	Unit	Specification		
		Min	Typ.	Max
Part No.	-	LQ-1310SOA-P-A-CM-PW-PF-C		
Operating wavelength	nm	1250	1310	1350
Optical input power	dBm	-20	0	3
Optical output power	dBm	7		10
Noise figure(0dBm input)	dB		7	9
Pump remnant to output	dBm			-30
Pump remnant to input	dBm			-30
Return loss(SOA off)	dB	40		
Power supply	V(AC)	100	220	240
Fiber type	-	SM-28 fiber		
Power consumption	W	8	16	25
Operating temperature	°C	-5		55
Storage Temperature	°C	-20		70
User interface	LCD shows internal operating parameter, LED shows operation status and alarm			
Network interface	RS232,LANorUSB			

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Dimensions (L×W×H)	mm	90×70×19(Module), 483×385×44(1U 19" rack) or 320×220×90(Benchtop), etc
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Order Information:

LQ-1310SOA-P-A-CM-PW-PF-C

P:Package, B-Benchtop, M-Module,U-1U 19 rack

A:Application, example :B=Power amplifier,L=In-line amplifier,P=Pre-amplifier

CM: Control mode,ACC=Automatic current control,APC=Automatic power control

AGC=Automatic Gain Control

PW: Output power in dBm, example:7-7dBm ,10-10dBm

PF: Pigtail fiber, 0=250um,1=900um,2=2mm,3=3mm

C: Connector,FU=FC/UPC,FA=FA/APC,SA=SC/APC

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