

EDFA Erbium Doped Fiber Amplifier C-band 1530nm-1565nm

This New EDFA Erbium Doped Fiber Amplifier C-band Micro Package provides a small size 50×50×15mm Product. It can be used to improve the optical signal power in the range of -6dbm to +3dbm, the saturation output power can be up to 20dbm. This EDFA can be used in the optical transmitter to improve the transmission power.

Features:

Wide wavelength range;High output power;Low noise.

Applications:Optical fiber communication;Optical fiber sensor; Fiber laser.

Operating wavelength nm 1530~1565 C-band

Input power dBm -6~+3

Saturated output power dBm 15/17/20 @-3dBm Input

Noise figure dB 5.0 @-3dBm Input

Gain flatness dB 3

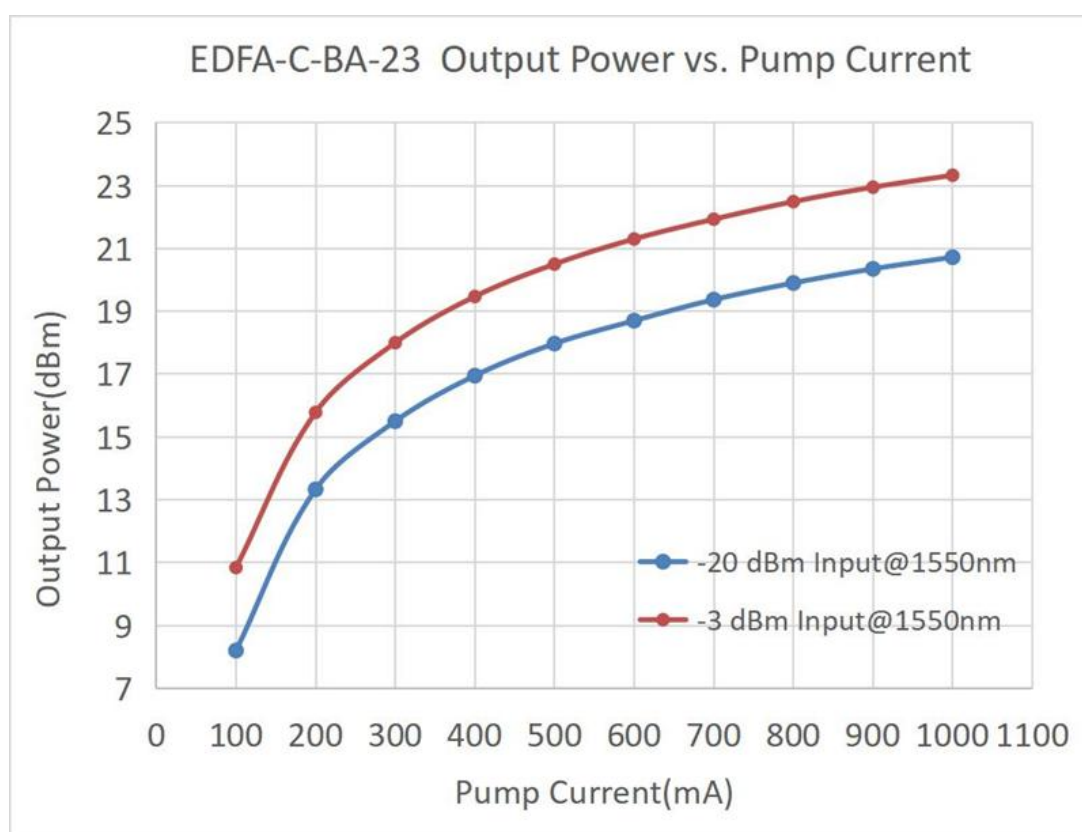
Polarization dependent gain dB <0.3

Polarization mode dispersion ps 0.5

Input/Output isolation dB >35



Parameters	Unit	Values	Notes
Operating wavelength	nm	1530~1565	C-band
Input power	dBm	-6~+3	
Saturated output power	dBm	15/17/20	@-3dBm Input
Noise figure	dB	5.0	@-3dBm Input
Gain flatness	dB	3	
Polarization dependent gain	dB	<0.3	
Polarization mode dispersion	ps	0.5	
Input/Output isolation	dB	>35	
Fiber type	-	SMF-28e	
Connector	-	FC/APC	
Operating mode	-	ACC/APC(1)	
Dimensions	mm	50(W)×50(D)×15(H)	Module
Power supply	V	5VDC, <10W	Module
Control mode	-	TTL Serial communication	Module
Communication Interface	-	XH2.54-4PIN	Module
Operating temperature	°C	-5~ +55	
Operating humidity range	%	0~70	



EDFA-C-BA-23 Output Power vs. Input Power

