Optical Amplifier Module

MSA EDFA Gainblock

MSA EDFA gainblock is a kind of signal optical amplifier with compact size, which can be utilized in a variety of fields. The electrical circuit is integrated inside the module. The default control mode is AGC.

Characteristics

- Wide operating bandwidth
- Low noise figure
- High stability and reliability
- Customized

Applications

- Metro network and optical access network
- DWDM transmission system

Specfications

Product Type	ERA-M-C-GBN-XX/XX-1-1/1 *①		
Parameters	Minimum	Typical	Maximum
Wavelength (nm)	1529.55	-	1563.86
Intput Power (dBm)	-20	-	-4
Output Power (dBm)	0	-	20
Gain (dB)	-	25	-
Noise Figure (dB)	-	5	6
Gain Flatness (dB)	-	1.0	1.5
Return Loss (dB)	-	-	-45
Polarization Dependent Gain (dB)	-	-	0.5
Polarization Mode Dispersion (ps)	-	-	0.5
Operating Temperature (℃)	-5	-	55
Storage Temperature (℃)	-40	-	85
Power Consumption (W)	-	-	5
Communication Interface	RS232		
Electric Connector	20pins		
Optical Connector	LC/UPC or customized		
Pigtail Length (cm)	>50		
Dimension (mm)	90(L)×70(W)×15(H)		

*① ERA-M-C-GBN-XX/XX-1-1/1, the first XX means output power, and the second XX means gain