

MSA Fixed Gain EDFA Module

MSA fixed gain EDFA module is a kind of signal gain module with compact size, which has been widely utilized in DWDM transmission system. The control mode is ACC/AGC/APC. The high-reliability components and temperature controlling techniques ensure the product excellent thermal performance under a wide temperature range.

Characteristics

- Compact MSA size
- Wide operating bandwidth
- Low noise figure
- Low power consumption
- Customized

Applications

- Metro network and optical access network
- DWDM transmission system



Specifications

Product Type	ERA-M-C-GB-var/XX-1-1/1 *①		
Parameters	Minimum	Typical	Maximum
Wavelength (nm)	1529.55	-	1563.86
Input Power (dBm)	-20	-	-4
Output Power (dBm)	0	-	20
Gain (dB)	-	20	-
Noise Figure (dB)	-	5	6
Gain Flatness (dB)	-	1.0	1.5
Return Loss (dB)	-	-	-45
Polarization Dependent Gain (dB)	-	-	0.3
Polarization Mode Dispersion (ps)	-	-	0.5
Operating Temperature (°C)	-5	-	55
Storage Temperature (°C)	-40	-	85
Power Supply (V)	4.75	5.00	5.25
Power Consumption (W)	-	-	10
Communication Interface	RS232		
Electrical Connector	WURTH 62503421621 or customized		
Optical Connector	LC/UPC or customized		
Pigtail Length (cm)	> 50		
Dimensions (mm)	90(L)×70(W)×15(H)		

*① ERA-M-C-GB-var/XX-1-1/1, the XX means gain