

# MSA Variable Gain EDFA Module

MSA variable gain EDFA module is specially designed for DWDM transmission system. The module can adjust gain flexible according to requirement and keep gain flatness. The control mode is ACC/APC/AGC. The high-reliability components and temperature controlling techniques ensure the product excellent thermal performance under a wide temperature range.

## Characteristics

- Gain flatness with adjustable gain
- Wide variable gain range
- Low noise figure and power consumption
- Control mode AGC/APC/ACC
- Customized

## Applications

- Metro network and optical access network
- DWDM transmission system



## Specifications

Product Type	ERA-M-C-GB-XX/var-1-1/1 *①		
Parameters	Minimum	Typical	Maximum
Wavelength (nm)	1528	-	1562
Input Power (dBm)	-35	-	5
Output Power (dBm)	-	-	18
Gain (dB)	13	-	25
Noise Figure (dB)	-	-	6
Gain Flatness (dB)	-	-	1.5
Return Loss (dB)	-	-	-45
Polarization Dependent Gain (dB)	-	-	0.5
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 Protocol	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-XX/var-1-1/1, the XX means output power