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C-Band Booster EDFA Module

Product Description:

The MARS series C-band booster EDFA module of Connet is designed for amplifying optical signal of single channel or multi-channel wideband optical transmission system. It adopts unique design to produce maximum signal gain and saturated output power while maintaining low noise figure. The typical output powers are 15dBm, 17dBm, 20dBm and 23dBm for option. The maximum output power is up to 23dBm.

The MARS series C-band booster EDFA module is a highly reliable, compact amplifier with excellent optical performance. The RS232 interface is available for software control via communicating with computer. It is an ideal choice for OEM system integration.

Applications:

- SDH/ATM
- Light distribution system
- Video and Ethernet optical transmission system
- Power amplifying

Features:

- High stability, high reliability
- Gain flattening
- Tunable output power
- Compact structure

Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		MFAS-Er-C-M-BA		
Operating wavelength	nm	1528	1550	1560
Input power	dBm	-5	-	10
Output power	dBm	15	-	23
Noise figure@0dBm input, 23dBm output	dB	-	-	5.5
Input/output isolation	dB	30	35	-
Output power tunable range	%	0	-	100
Input/output monitor		Optional		
Control mode		ACC or APC		
Power supply	V_{DC}	5-12		
Power consumption	W	-	-	8
Operating temperature	℃	-35	-	+65
Storage temperature	℃	-40	-	+85
Electrical interface		DB30 or DB25		
Output fiber type (SM)		SMF-28e		
Output fiber length	m	> 1		
Optical connectors		FC/APC (other options available)		
Dimensions	mm	90(L)X70(W)X15(H) for ≤20dBm 150(L)X125(W)X20(H) for ≤23dBm		

Ordering Information:

· MFAS-Er-C-M-<PW>-BA

· C: Operating wavelength in nm

· M: M-Module

· PW: Output power in dBm, e.g.: 20-100mW, 23-200mW