

RF OVERLAY EDFA / EYDFA AMPLIFIER EDFA 816 / EDFA 1617

FTTx PON compatible (EPON/GEPON/GPON)

8 & 16 optical output ports models with 27 & 31 dBm

Low noise preamplifier. Very low degradation of CNR and MER

No need to cascade different EDFAs

Very low noise factor

Dual power supply

Control and monitoring via SNMP

REFERENCE		EDFA 816	EDFA 1617
Code		310010	310011
Connections			
Number of optical ports for OLT	N.	8	16
Number of output optical ports	N.	8	16
Input			
Working wavelength (CATV)	nm	1540 - 1563	
Pass wavelength (OLT)	nm	1310 / 1490	
Input optical power (CATV)	dBm	-10 ... +10	
Output			
Total output optical power	dBm / mW	27 / 500	31 / 1260
Output optical power per port	dBm	16	16,5
Difference of each output port optical power	dB	±0,5	
Working wavelength (CATV) attenuation	dB	<0,8	
OLT wavelength attenuation	dB	<0,8	
Optical power monitor	dB	-20	
Polarization dependence Loss / Gain	dB	0,3 / 0,4	
Noise Figure	dB	<5,5	
Input - Output			
CATV - OLT Isolation	dB	>40	
IN - OUT Isolation	dB	30	
Optical connectors		SC/APC	
Mains feeding			
Voltage	Vac / Hz	90-265 / 50-60	
Consumption	W	<50	
Number of PSUs	N.	2	
General			
Management interface		SNMP - RJ45	
Serial Interface		RS-232	
Ports		Ethernet - LAN RJ45	
Display / Buttons		LCD / 4	
STATUS LEDs		Pump, Input, Alarm, Power 1, Power 2	
Working temperature	°C	-5...65	
Dimensions	mm	1xU Rack 19" (483 x 368 x 44)	



EDFA 816



EDFA 1617



REAR VIEW



EDFA 816

APPLICATION EXAMPLE

