



EKSELANS BY ITS

EDFA / EYDFA AMPLIFIER FOR RF OVERLAY

**EDFA 812 · EDFA 816 ·
EDFA 1617 · EDFA 3219**



- ✓ Compatible with FTTx PON (EPON / GEAPON / GPON)
- ✓ Models of 8, 16 and 32 optical output ports with powers from 8 to 19 dBm per port
- ✓ Low noise pre amp Very low degradation of CNR and MER
- ✓ Avoid the need to cascade different EDFAs
- ✓ Very low noise figure
- ✓ Redundant power supply
- ✓ Control and monitoring via SNMP



EDFA 812



EDFA 816



EDFA 1617



EDFA 3219



TABLA TÉCNICA

REFERENCE		EDFA 816	EDFA 812	EDFA 1617	EDFA 3219
Code		310010	310023	310011	310022
Connections					
Number of optical ports for OLT	N.	8	8	16	32
Number of output optical ports	N.	8	8	16	32
Input					
Working wavelength (CATV)	nm	1540 - 1563			
Pass wavelength (OLT)	nm	1310 / 1490			
Input optical power (CATV)	dBm	±10			
Output					
Total output optical power	dBm / mW	27/500	24/250	31/1260	37/5000
Output optical power adjustment	dB	0..6			
Optical output power per port	dBm	16	12	16,5	19,2
Difference of each output port optical power	dB	±0,5			
Attenuation working wavelength (CATV)	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			
IN - OUT					
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			
Puertos		Ethernet - LAN RJ45			
Display / Buttons		LCD /4			
STATUS LEDs		Pump, Input, Alarm, Power 1, Power 2			
Working temperature	°C	-5...65			
Rack format		1xU Rack 19"		2xU Rack 19"	
Dimensions	mm	484 x 44 x 385 (1U)		484 x 88 x 368 (2U)	

Application example

