

OPTICAL NODES FOR FIBER AND COAXIAL CATV NETWORKS (HFC)

ON 123 · ON 129 AC

- ✓ Very low noise figure and high output levels
- ✓ Easy adjustment and configuration by JXP connectors
- ✓ Tricolor led optical power indicator input
- ✓ Automatic Gain Control (AGC) for optical input
- ✓ Configurable output (ON 129 AC) with external modules with one output (step) and two outputs (tap or splitter)
- ✓ Local power supply (ON 123) / remote power supply (ON 129 AC).
- ✓ Optional return channel by fiber via plug-in optical transmitters TO LR 1310 FP / TO LR 1310 DFB / TO LR 1550 DFB
- ✓ Autolink function (ON 129 AC) allowing continuous service while adjusting
- ✓ Return channel with the possibility of work in burst mode (SCTE 174) (ON 129 AC)
- ✓ Excellent electromagnetic isolation with IP64 aluminum box



ON 123



ON 129 AC

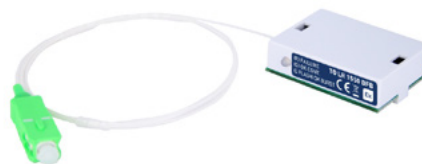
ACCESSORIES (SEE USER MANUAL)



JMP -1 · STI-3.5 · TSI-1/9



2FPG11 (For ON 129 AC)



TO LR 1310 FP · TO LR 1310 DFB
TO LR 1550 DFB



JXP X

TECHNICAL TABLE

REFERENCE		ON 123	ON 129 AC
CODE		273001	273002
Optical parameters			
Input optical power	dBm / mW	-9...1 / 0,13...1,25	-9...2 / 0,13...1,58
AGC range	dB	7	6
Return loss	dB	>40	
Input wavelength	nm	1100...1650	
Maximum input optical power	dBm	-9...+1	-9...+2
Input optical power indicator	LED	Rojo / Verde / Naranja	
Input noise equivalent current	pA/√Hz	<7	<6,5
Input connectors		SC/APC	
Direct channel			
Frequency range	MHz	87...1002	
Band flatness	dB	±0,75	
Maximum output level (DIN 45004B)	dBμV	123	129
Maximum output level (cenelec 42). (1310nm @ -3dBm, EQ1=6dB, 4% OMI, AGC=ON, CTB≤60dBc, CSO≤60dBc)	dBμV	-	114
Maximum output level (cenelec 42). (1310nm @ 6dB SLOPE, 3,5% OMI, CTB≤60dBc, CSO≤60dBc)	dBμV	109	-
AGC stability in the working range	dB	±1	
Attenuation between stages	dB	0...20	
Equalization between stages	dB	0...20	
Test point	dB	-20±1	
Output return loss	dB	18 (40MHz) -1,5dB/oct	
Return line			
Frequency range	MHz	5...65	
Gain	dB	20	30
Band flatness	dB	±1	±0,75
Attenuation	dB	0...20	
Test point	dB	-	-20±1
Output return loss	dB	18 (40MHz) -1,5dB/oct	
Compliant with SCTE 174 standard		No	Sí
General			
Power supply	V / Hz	195...253 / 50...60 (Local)	28...65 / 50...60 (Local/Remote)
Power consumption	W	9	15
Output connectors		F	PG11
Protection index		IP64	IP64
Working temperature	°C	-20...60	-20...60
Weight	Kg	1,1	1,3

TECHNICAL TABLE ACCESSORIES

CODE	REFERENCE	DESCRIPTION
102008	JMP-1	Direct signal path for ON 129 AC
102009	STI-3,5	Signal splitter (-3.5/-3.5dB) for ON 129 AC
102010	TSI-1/9	Signal tap (-1/-9dB) for ON 129 AC
102011	JXP 0	0dB attenuator for HFC nodes
102012	JXP 2	2dB attenuator for HFC nodes
102013	JXP 3	3dB attenuator for HFC nodes
102014	JXP 6	6dB attenuator for HFC nodes
102015	JXP 9	9dB attenuator for HFC nodes
102016	JXP 12	12dB attenuator for HFC nodes
274004	2FPG11	2 fiber adapter to PG11 connector for ON 129 AC

REFERENCE		TO LR 1310 FP	TO LR 1310 DFB	TO LR 1550 DFB	TO XX CWDM
Code		274001	274002	274003	274005
Input frequency	MHz	5-65			
Output wavelength	nm	1310 nm		1550 nm	On request
Output optical power	dBm / mW	0 / 1	3 / 2		3
Laser Type	-	Fabry Perot	Distributed Feedback		
Installation		Inserted in optical node			

