EKSELANS BY ITS

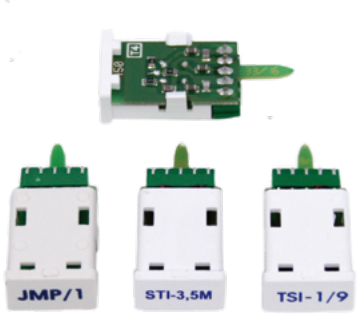
CATV BIDIRECTIONAL TRUNK AMPLIFIER

AC 129 TR

- √ Regulation and equalization of direct channel input
- √ Regulation and equalization between stages of the direct channel
- √ Regulation and equalization of the return channel
- √ High output level: Output stage with GaAs hybrid circuit technology and "Power Doubler" configuration
- √ Configurable active, passive, or disabled return channel
- √ Excellent response flatness
- √ Self-powered
- √ Output type adjustment according to inserted module (JMP/1, STI-3,5, TSI-1/9)
- √ Attenuation and equalization adjustment via insertable attenuators (JXP)
- √ High protection rating (IP 64)
- √ Excellent electromagnetic isolation
- √ Double surge protection for input/output

AC 129 TR

Compatible accessories:



JMP -1 / STI-3.5 / TSI-1/9

JXP X

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EKSELANS BY ITS

TECHNICAL INFORMATION

REFERENCE		AC 129 TR
Code		102007
Direct Channel		
Frequency Range	MHz	85...1006
Gain	dB	39
Flatness	dB	±0,75
Maximum Output Level (DIN 45004B)	dBµV	129
Maximum Output Level (CENELEC 42 channels CTB & CSO @60dB with ±6dB equalization between stages)	dBµV	114
Input Attenuator	dB	0...20
Input Equalization	dB	0...20
Attenuation between stages	dB	0...10
Equalization between stages	dB	0...12
Input and Output Test Point	dB	-20
Noise Figure	dB	< 6,5
Return Losses (all ports)	dB	20 (40MHz) -1,5dB/oct
Return Channel		
Frequency Range	MHz	5...65
Gain	dB	-2,5 / 25
Flatness	dB	±1
Maximum Output Level (DIN 45004B)	dBµV	118
Output Attenuator	dB	0...20
Output Equalization	dB	0...20
Test Point	dB	-20
Type	-	Active/pasive
Noise Figure	dB	6
General		
Remote Powering	Vac / Hz	30...90 / 50..60
Power Consumption (With passive return channel)	W	14
Current Consumption	A (@30Vac / 90Vac)	0,85 / 0,25
Input to Output Current Flow	A	7
Power Supply		Any RF port
Characteristic Impedance	Ω	75
Input Connector		PG 11
Output Connector		PG 11
Protection Index		IP 64
Operating Temperature	°C	-20...60
Weight	Kg	1,4
Dimensions	mm	196 x 134 x 84

ACCESSORIES

CODE	REFERENCE	DESCRIPTION
102008	JMP-1	Signal pass-through for HFC nodes
102009	STI-3,5	Signal splitter (-3.5/-3.5dB) for HFC nodes
102010	TSI-1/9	Signal tap (-1/-9dB) for HFC nodes
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

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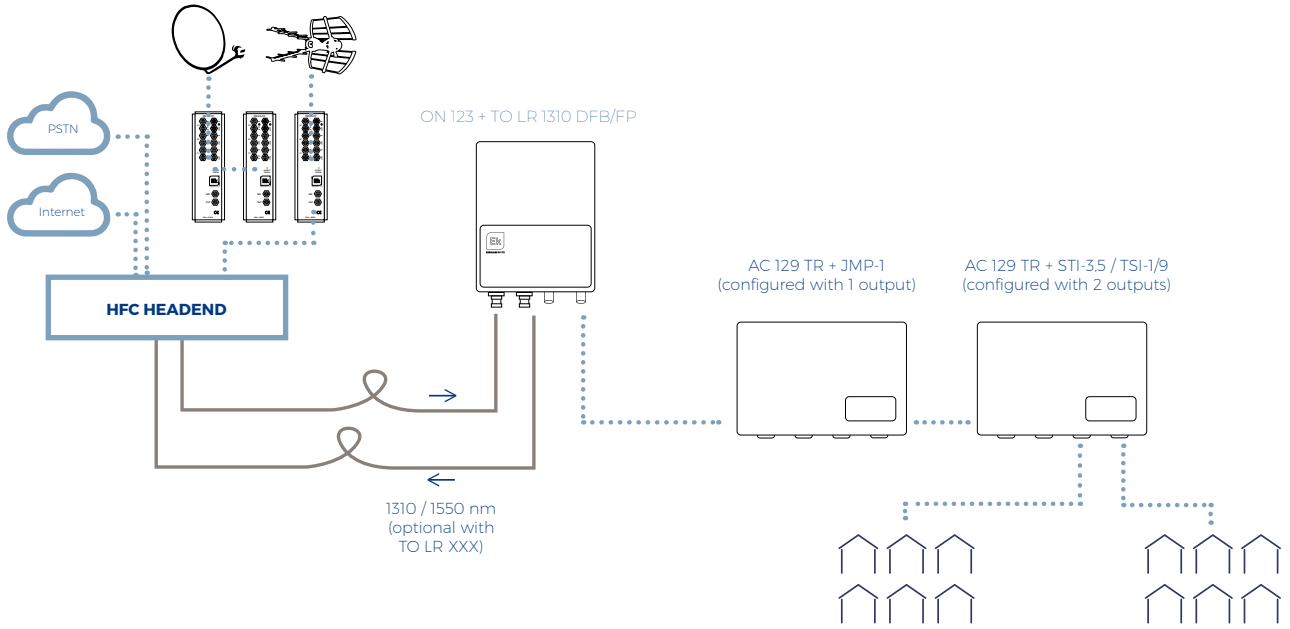
EXAMPLE OF HFC NETWORK



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