

CATV amplifiers

AMP5121.. Series

AMP5121L
AMP5121M

Distribution amplifiers to be used in HFC (hybrid fibre cable) networks.

- High output level and low power consumption using GaAs FET hybrid technology
- Gain and tilt adjustment using attenuators
- Integrated active or passive return path, selected by a switch
- Mains or line powered with switch mode power supply
- Die-cast aluminium housing meeting IP65 protection
- 5A AC power pass through to any terminal and 10A external AC input terminal
- Excellent surge and transient protection



ACCESSORIES AMP5121 SERIES

- Diplexer filter modules: MDA.. , 2 pieces per product
- Interstage modules: MEX.. , 1 piece per product
- Output splitter modules: MS.. , 1 piece per product

ATTENTION: the products need further accessories and connectors to function which are not included in the packaging

Minimum configuration requires:

- 2 x diplexer filter modules MDA (see page 111), if not required replace them with two ML02 link modules
- 1 piece x interstage module MEX (see page 111), if not required replace it with one ML01 module
- The amplifier is supplied with PG11 threads, adaptors not included. Page 114 shows the list of available adaptors

Item Code		AMP5121L 289696	AMP5121M 289695
Forward path, bandwidth (depends on diplexer modules)	MHz		47-862
Gain	47/862MHz - dB		38/38
Attenuation	dB		0-18
Equaliser	dB		0-18
Linearity	dB		±1
Output level, 3 rd order (DIN 45004 B)	dBµV		124
Output level, 2 nd order (DIN 45004 B)	dBµV		122
Output level, CTB (42 ch CENELEC)	flat/8dB tilt - dBµV		108.5/111
Output level, CSO (42 ch CENELEC)	dBµV		112
Noise figure	47/862MHz - dB		5/6.5
Return loss, @40 MHz	dB		18-1.5/oct
Return path, bandwidth (depends on diplexer modules)	MHz		5-65
Line power, voltage	Vac	24-65	-
Line power, current	mA	750-330	-
Mains power, voltage	Vac	-	175-260
Power consumption (incl. return path)	W		13.5
Operating temperature	°C		- 10 to 55
Dimensions (l x h x w)	mm		200x180x82
Packaging	pcs	5	3

Note: All specifications are with ML01 modules.