

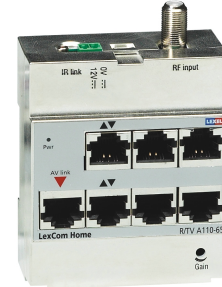
Antenna Amp R/TV A110

DESCRIPTION

Shielded DIN "multimedia" antenna amplifier with 6 RJ45 output ports and one main input (F-conn) and one AV input (RJ45). The amplifier supports return path on 2 of the output ports. 4 versions are offered, having different Return Path bandwidths (filters). IR link is supported on all output ports and distributed to a dedicated IR link output on the top and to the AV link port. The AV link port is connected to AV link modulators, making AV signals available on all outputs.

Power is supplied externally from the 12 V DC system supply. Gain is adjustable on the front. Tilt is fixed.

LED indication: Green when power is on.



TECHNICAL INFO

Electrical and Technical Data

Power Supply	12 V DC
Power Consumption	3,5 W
Current	310 mA
Bandwidth	47 - 860 MHz (A110-30), 70 - 860 MHz (A110-55), 85 - 860 MHz (A110-65), 58 - 860 MHz (A110-42),
Return Path	5 - 30 MHz (A110-30), 5 - 55 MHz (A110-55), 5 - 65 MHz (A110-65), 5 - 42 MHz (A110-42),
Output Level	6 x 108 dB μ V (DIN45004B)
CSO	88 dB μ V (42 Channels)
Gain Forward	26 dB \pm 2 dB @ 860MHz
Gain Return	5 dB
Attenuation	0 - 20 dB (adjustable)
Tilt (Equalizer)	10 dB Pre-set system tilt
Input level	60 - 80 dB μ V
Input Tilt	Max. 8 dB
AV Input Level	80 - 90 dB μ V
TV Channels	60
Noise Figure	< 6 dB @ 860 MHz
Return Loss	-14 dB @ 40 MHz (+1,5 dB / Octave)
Isolation	> 25 dB standard outputs, > 20 dB return path outputs
Stopband Attenuation	> 55 dB
Shielding Attenuation	> 65 dB
Temperature, Operation	0 - 40 °C
Temperature, Storage	-15 - 60 °C
Impedance Output	100 Ohm
Impedance Input	75 Ohm
CTB (>60dB)	94 dB μ V (42 Channels)
Group delay	5.5 nSec @ 55.25 MHz 13 nSec. @ 48.25 MHz
Emission	< 12 dBpW / 30-1000 MHz (acc. to EN50083-2)
AV Link Bandwidth	88 - 860 MHz

Construction and Material Data

Output Connector	RJ45 STP
IR Out Connector	2,5 mm jack
Material	PC-ABS housing
Shielding	Plated 3 μ m Sn over 20 μ m Cu, double sided
Dimension	72 x 37 x 86 mm
Weight	160 grams
RF Input Connector	F-connector (conductor \varnothing : max. 1,2 mm)

Standards & Approvals

EN 50083-3 /-10 quality grade 2 cat. C
Non cascable
Generic EMC EN50081-1 (emission)

PACKAGING INFO

Packaging Type	A Internal	B External	C Transportation
570 330 210 2872			
Quantity		1 pcs	
Size		11,3 x 5,7 x 8,1cm	
Weight		0.190	
570 330 210 2889			
Quantity		1 pcs	
Size		11,3 x 5,7 x 8,1cm	
Weight		0.190	
570 330 210 2896			
Quantity		1 pcs	
Size		11,3 x 5,7 x 8,1cm	
Weight		0.190	
570 330 211 3632			
Quantity		1 pcs	
Size		11,3 x 5,7 x 8,1cm	
Weight		0.190	

ORDERING NUMBERS

Product Assortment	EAN (BARCODE)	Article No	EL-No
R/TV A110-30	570 330 210 2872	30 633 0003	69 911 43
R/TV A110-55	570 330 210 2889	30 633 0004	69 911 41
R/TV A110-65	570 330 210 2896	30 633 0005	69 911 40
R/TV A110-42	570 330 211 3632	30 633 0010	