

CHANNEL AMPLIFIER SCA 300 SERIES



DESCRIPTION

Single channel amplifier suitable for amplifying and filtering TV signals in MATV headend systems.

The unit is housed in a die-cast chassis with built-in input-output connectors.

A very high screening factor is achieved.

As a result of a high "Q" filters mounted in a perfect shielded chassis, the channel selectivity is very high.

Easy to install due to its system of splitting at input and auto-combining at output.

Supply voltage	24 V \pm 5%
Current drawn	60 mA
Operating temperature range	0 \div 50° C

TECHNICAL SPECIFICATIONS

MODEL		SCA 301	SCA 302	SCA 303	SCA 304
Reference		30102 ... 04	30200	30305 ... 12	30421 ... 69
Channels		E02 ... E04	FM	E05 ... E12	21 ... 69
Max. output level	(DIN 45004 K) dBμV	117			
Input/output impedance	Ω	75			
Input and output connectors		IEC 9,5 (f)			
Return losses	dB	>9			
Gain (1)	dB	40	30	40	
Gain regulation margin	dB	20 ± 3			
Bandwidth	MHz	7	21	7	8
Selectivity (2)	dB	>30	—	>29	>31
Noise figure	dB	<6		<7	<8
Packing dimensions	mm	208 x 70 x 33			
Weight	Kg	0,65			

NOTES

- (1) Gain decreases 3dB when splitting in "Z".
- (2) Measure made at P_v + 20 MHz.
- (3) Red power supply cable and 75 rigid bridge included.