

CHANNEL AMPLIFIER

SCA 5000 SERIES



DESCRIPTION

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

SCA 5450 - A models are designed to work in adjacent channels.

High reliability and screening factor, due to its "F" connectors.

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

A very high screening factor is achieved.

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

Easy to set-up due to its system of splitting at input and combining at output.

Its modular conception allows to configure up to 12 modules in one frame.

Supply voltage	24 V \pm 5 %
Current drawn	\leq 110 mA
Operating temperature range	0 \div 50° C

TECHNICAL SPECIFICATIONS

MODEL	SCA 5150-F	SCA 5230-F	SCA 5350-F	SCA 5350-F "S"	SCA 5450-F	SCA 5450-A
Reference	34602 ... 04	34601	34605 ... 12	34603 ... 20	34621 ... 69	35621 ... 69
Channels	E02 ... E04	FM	E05 ... E12	S03 ... S20	21 ... 69	21 ... 69
Max. output level (DIN 45004K)	dB μ V 125					
Input and output impedance	Ω 75					
Input and output connectors	F (f)					
Return losses	dB > 9					9
Gain (1)	dB 50 \pm 2	30 \pm 2	50 \pm 2	50 \pm 2	53 \pm 2	53
Gain regulation margin	dB 20 \pm 3					
Bandwidth (– 3 dB)	MHz 7	21	7	7	7	7
Selectivity (2)	dB > 30	—	> 29	> 29	> 31	75
Noise figure	dB	< 6	< 7	< 7	< 8	11
Current drawn	mA 80	70	80	80	110	125
Packing dimensions	mm	260 x 75 x 35				
Weight	Kg	0,85				

NOTES

(1) Gain decreases 3dB when splitting in "Z".

(2) Measure made at PV + 20 MHz.