

TKS1000HA-RP Series

CATV House Amplifier

1. Product Summary

TKS1000HA-RP indoor bi-directional amplifier is mainly used for bi-directional transmission of CATV television image signal, digital TV signal, telephone voice signals and data (or compressed data) signal.

2. Performance Characteristics

- Frequency range: 5-85/110-1000MHz.
- AGC control (AGC controllable gain 14-32dB)
- Low power consumption $P \leq 5W$
- Analog TV:
(EN50083-3, 42CHANNELS)
 $CTB \leq -60dB$, $CSO \leq -60dB$.



3. Technique Parameters

Item	Unit	Technical Parameters
Forward Path		
Frequency range	MHz	110 - 1000MHz
Rated gain	dB	32
maximum gain	dB	34
Rated input level	dBμV	72/74
Rated output level	dBμV	104
Gain flatness	dB	± 1
AGC	dB	0 - 18
ATT	dB	0 - 18
EQ	dB	0 - 18
Noise figure	dB	< 6
Return loss	dB	17
C/CTB	dB	60
C/CSO	dB	60

Return Path		
Frequency range	MHz	5 ~ 85
Gain	dB	17
Gain flatness	dB	$\leq \pm 1$
Return loss	dB	≥ 16
General Performance		
Characteristics Impedance	Ω	75
Voltage Range	V	AC (90 - 240) V
Power Consumption	W	≤ 5
Size LxWxH	mm	200 × 115 × 55

Note: The parameters of this manual are measured in the condition of EN50083-3, 42 channels.

4. Block Diagram

