

HCA 816D

Home cable TV amplifier



Product Information

HCA 816D APR with active reverse path

HCA 816D PRP with passive reverse path

Description

Cable TV amplifier designed especially for end users. Its ease of installation and compact size make it ideal for home use. For indoor mounting, powered from DC adapter.

Features

- **Compact home cable TV amplifier;**
- **Available with passive or active reverse path;**
- **3 way power supply (through Input, Output with Power Inserter or directly from DC adapter);**
- **Easy to install (no adjustment is needed);**
- **LED indication for power on;**
- **Coaxial "F" connectors.**

Technical Specification:

Forward path

Frequency Bandwidth	85 ÷ 862 MHz
Gain	15 dB
Active components	InGaAs E-pHEMT
Gain Flatness	± 1 dB
Return loss	≥ 15 dB / 75 Ω

Reverse path

Frequency Bandwidth	25 ÷ 65 MHz
Gain	10 dB ¹⁾
Active components	InGaAs E-pHEMT ¹⁾
Gain Flatness	± 1 dB
Return loss	≥ 20 dB / 75 Ω

General Specifications

RF connectors	“F” type
Supply voltage:	
○ Directly (through DC power port)	12 VDC
○ with Power Inserter (through ports RF In or RF Out)	12 VDC
Power consumption	1.6 W
Reverse group delay (25MHz-65MHz) max.	25 ns
Output IP3 ²⁾	43 dBm
Noise figure	5 dB
Ambient temperature range	–20 ÷ +50°C
Index of protection	IP20
Dimensions (L x W x H)	100 x 76 x 28 mm
Weight	0.170 kg

Package

HCA 816D	1 pcs
DC adapter 12VDC/0.5A	1 pcs
Power Inserter 0.5A	1 pcs
Installation guide	1 pcs

Notes:

- 1) Refer to HCA 816D with active reverse path
- 2) OIP3 is measured with two tones at an output power of +9 dBm/tone separated by 6 MHz