



Home Connect Amplifier 16dB

HCA-16

Product information

The elegant and compact HCA-16 series of in-home amplifiers blends well into most homes.

Electrical performance is suitable for cable TV signals in multichannel configurations at an attractive cost.

The HCA-16N offers 16dB forward gain.

HCA-16R offers 16dB forward gain and a passive return path for DOCSIS cable Modem.

The amplifier series has effective shielding, filtered integrated power supply, and copes well with LTE signals.

HCA-16 series is designed to work properly in most small in-home installations. With fixed gain and good intermodulation properties the HCA-16x is suitable for Do-It-Yourself installation and eliminating the risk of misadjustment.



| Forward path | | HCA-16N | HCA-16R | Notes |
|----------------------------------|---------------|--|------------|-----------|
| Forward Frequency range (IN-OUT) | | 47 - 1006 MHz | 86-1006MHz | |
| Gain (IN-OUT) | | 16 ± 2 dB | 16 ± 2 dB | |
| CTB (OUT) | | > 60 dBc | > 60 dBc | Note 1 |
| CSO (OUT) | | > 60 dBc | > 60 dBc | Note 1 |
| Output level (DIN 45004B) | | < 110 dBµV | < 110 dBµV | |
| Noise figure (IN-OUT) | 47 - 862MHz | < 5 dB | - | |
| | 86 - 862MHz | - | < 5 dB | |
| | 862 - 1006MHz | < 7 dB | < 7 dB | |
| Return path | | | | |
| Insertion loss (OUT-IN) | 5 - 65MHz | - | 3 dB | |
| Common | | | | |
| Impedance (IN, OUT) | | 75 Ω | | |
| Return loss (IN, OUT) | 5 - 47MHz | Category B | | Note 2, 3 |
| | 87 - 1006MHz | Category B | | Note 2, 3 |
| Connector | | F-Female (EN 61169-24) | | |
| Integrated power supply | | 240VAC, 50-60 Hz, 3W max | | |
| Operating temperature | | 0 to +40 °C | | |
| Mechanical dimensions (mm) | H x W x D | 80 x 125 x 32 | | |
| Color | | White | | |
| Wall fixture | | 2 drop shaped recesses , 68 mm spacing | | |

Note 1 Output level 97 dBµV with 42 channel Cenelec

Note 2 At max gain

Note 3 EN 60728-3 Category B. 5-47 MHz >18 dB
47-950 MHz >18 dB - 1.5dB/oct
950-1006MHz >10 dB