



## Home Connect Amplifier 16dB

### 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.



| Type no. | Item no. |
|----------|----------|
| HCA-16N  | 46250    |
| HCA-16R  | 46251    |

| 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     |           |
| <b>Return path</b>               |               |  |            |           |
| Insertion loss (OUT-IN)          | 5 - 65MHz     | -                                      | 3 dB       |           |
| <b>Common</b>                    |               |  |            |           |
| 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