



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 dB μ V	< 110 dB μ V	
	47 - 862MHz	< 5 dB	-	
Noise figure (IN-OUT)	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 dB μ V 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