



House connection amplifiers

DH6768VA-R085

The DH6768VA-R085 is a House connection amplifier designed for broadband installations in mid-sized and large buildings. It accommodates external test points at in- and output.

DH6768VA-R085 features

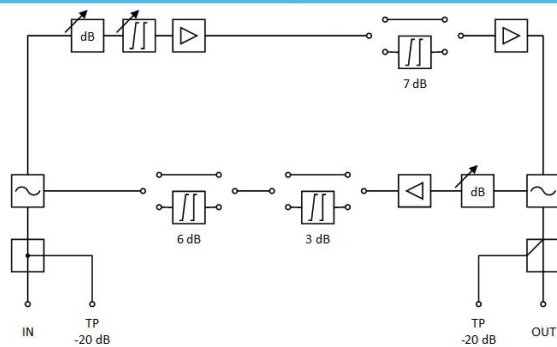
- 1 GHz bandwidth
- Compact housing
- Input and output test point
- Downstream gain 36 dB, Upstream gain 28 dB

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HOUSE CONNECTION AMPLIFIERS / DH6768VA-R085

DOWNSTREAM SIGNAL PATH			
Frequency range	105...1006 MHz	Interstage slope	0 / 7 dB ^{(4) + (5)}
Return loss	18.0 dB ⁽¹⁾	Flatness	± 0.8 dB ⁽⁶⁾
Gain @ 1006 MHz	36 dB ± 1 dB	Noise Figure	6.0 dB ⁽⁷⁾
Input attenuator control range	0...18.0 dB ⁽²⁾	Input equalizer control range	0...18.0 dB ⁽³⁾
CTB	100.0 dBμV ⁽⁸⁾	CSO	100.0 dBμV ⁽⁸⁾
UPSTREAM SIGNAL PATH			
Frequency range	5...85 MHz	Flatness	± 0.5 dB ⁽¹⁰⁾
Return loss	18.0 dB ^{(1) + (17)}	Noise Figure	6.0 dB ⁽¹¹⁾
Gain @ 85 MHz	28 dB ± 1 dB	Output level, DIN 45004B	120 dBμV ⁽¹²⁾
Input attenuator control range	0...18.0 dB ⁽²⁾		
Output slope	0 / 3 / 6 / 9 dB ^{(4) + (9)}		
GENERAL SPECIFICATIONS			
Input Test point (external)	- 20.0 dB ⁽¹³⁾	Output Test point (external)	- 20.0 dB ⁽¹⁴⁾
Supply Voltage (AC)	207...255 V	Power Consumption	7 W
Weight	1.3 kg	Dimensions (h x w x h)	178 (213) x 100 (110) x 58 mm
Input/Output test point connector	F female	Operation temperature	- 20 ° to + 55 °C
Class of Enclosure	IP20	EMC	EN 60728-2
Screening	Class A	ESD protection	2 kV ⁽¹⁶⁾
Overvoltage protection (surge)	2 kV ⁽¹⁵⁾		
NOTES			
<p>(1) The limiting curve is defined at 40 MHz -1.5 dB/octave (2) Attenuation is set with a 0 ... 18 dB variable attenuator (3) The pivot point is at 1006 MHz. Slope is set with a 0 ... 18 dB variable attenuator (4) Switchable by jumper (5) Slope is defined between 105 and 1006 MHz, set to 0 or 7 dB (6) Flatness is defined between 111 and 1006 MHz. In the range 105-1006 MHz, flatness increases by max. 0.5 dB (7) Typical value. Maximum 7.0 dB (8) Output level flat, 41 Ch. CENELEC (9) This slope is defined between 5...85 MHz (10) Typical value. Maximum ± 0.8 dB (11) Typical value. Maximum 7.0 dB (12) Typical value (13) Input test point is bidirectional with ± 2 dB tolerance. It can be used as the output test point for the return signal (14) Output test point is a directional coupler with ± 1.0 dB tolerance. It can be used as an injection point for a return channel test signal (15) According to EN 60728-3 (16) EN 61000-4-2, contact discharge to enclosure and RF ports (17) Between 5 and 10 MHz, > 16 dB</p>			

BLOCK DIAGRAM



ORDERING INFORMATION	
DH6768VA-R085	House connection amplifier 36 dB / 28 dB



TELESTE CORPORATION
www.teleste.com

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