



PRODUCT FAMILY

DH AND HOME AMPLIFIERS

DESCRIPTION

HOUSE CONNECTION AMPLIFIERS

FEATURES



- >> 1 GHz Bandwidth
- >> NE-4 amplifier
- >> Compact housing
- >> Input and Output test point
- >> Downstream gain 36 dB, upstream gain 28 dB
- >> Variable 0 ... 18dB attenuator for downstream and upstream
- >> Variable 0 ... 18dB input equalizer for downstream

SPECIFICATIONS

Downstream signal path	
Frequency range	85 1006 MHz
Return loss	18 dB ⁽¹⁾
Gain @ 1006 MHz	36 dB ± 1 dB
Input attenuator control range	0 18 dB ⁽²⁾
Input equalizer control range	0 18 dB ⁽³⁾
Interstage slope	0 / 7 dB ^{(4) + (5)}
Flatness	±0.8 dB
Noise Figure	6.0 dB ⁽⁶⁾
СТВ	100 dBμV ⁽⁷⁾
CSO	100 dBμV ⁽⁷⁾
Upstream signal path	
Frequency range	5 65 MHz
Return loss	18 dB ⁽¹⁾ + ⁽¹⁶⁾
Gain @ 65 MHz	28 dB ± 1 dB
Input attenuator control range	0 18 dB ⁽²⁾
Output slope	0 / 3 / 6 / 9 dB ^{(4) + (8)}
Flatness	±0.5 dB ⁽⁹⁾
Noise Figure	6.0 dB ⁽¹⁰⁾



Return path load	Mittlere Last 64 QAM
Output level, DIN 45004B	120 dBμV ⁽¹¹⁾

GENERAL SPECIFICATIONS	
Input Test point (external)	- 20 dB ⁽¹²⁾
Output Test point (external)	- 20 dB ⁽¹³⁾
Supply voltage (AC)	207 255 V
Power Consumption	7 W
Input / Output test point connectors	F female
Dimensions (h x w x h)	178 (213) x 100 (110) x 58 mm
Weight	1.3 kg
Operation temperature	-20° +55°C
Class of enclosure	IP20
EMC	EN 60728-2
Screening	Class A
Overvoltage protection (surge)	2 kV ⁽¹⁴⁾
ESD protection	2 kV ⁽¹⁵⁾

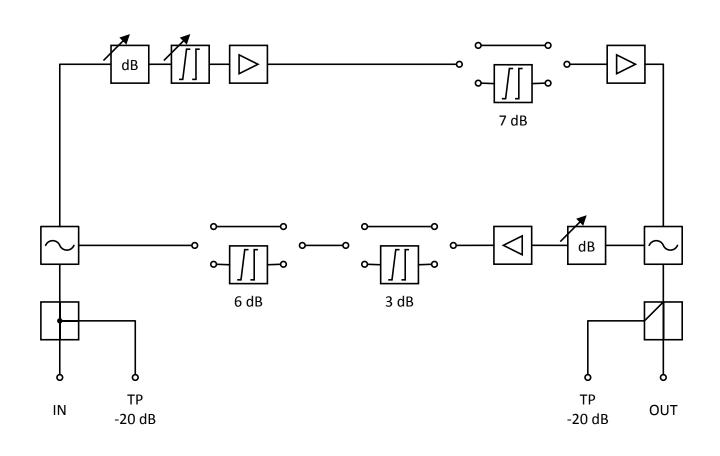
NOTES:

- (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 85 and 1006 MHz, set to 0 or 7 dB
- (6) Typical value. Maximum 7.0 dB
- (7) Output level flat, 41 Ch. CENELEC
- (8) This slope is defined between $5...65\ \mathrm{MHz}$
- (9) Typical value. Maximum ± 0.8 dB
- (10) Typical value. Maximum 7.0 dB
- (11) Typical value
- (12) Input test point is bidirectional with \pm 2 dB tolerance. It can be used as the output test point for the return signal
- (13) Output test point is a directional coupler with \pm 1.0 dB tolerance. It can be used as an injection point for a return channel test signal
- (14) According to EN 60728-3
- (15) EN 61000-4-2, contact discharge to enclosure and RF ports
- (16) Between 5 and 10 MHz, > 16 dB

Teleste reserves the rights to alter specifications, features, manufacturing release dates and even the general availability of the product at any time.



BLOCK DIAGRAM



ORDERING INFORMATION

DH6768VA

House connection amplifier 36 dB / 28 dB $\,$