

204 MHz

RF Amplifiers

HOME AMPLIFIER **3VHA-ARXXX**

1218 MH₂

The 3VHA-ARxxx is a 1.2 GHz DOCSIS 3.1 amplifier with 4 Ports. The product comes equipped with 2 bidirectional data ports and 2 unidirectional TV ports. The 3VHA-AR085 has an 85 MHz, and the 3VHA-AR204 a 204 MHz upstream path.

3VHA-ARxxx features

- Frequency range up to 1218 MHz, Docsis 3.1 compliant
- 4 user ports compact amplifier
- Outer plastic housing to secure against electrical contacts
- Forward path with differentiated gain according to ports
- Energy saving power supply
- Data ports equipped with 75 Ohm terminators
- Fixed power cord

One of Teleste's superior performance products designed for easy installation and reliability.



HOME AMPLIFIER / 3VHA-ARxxx

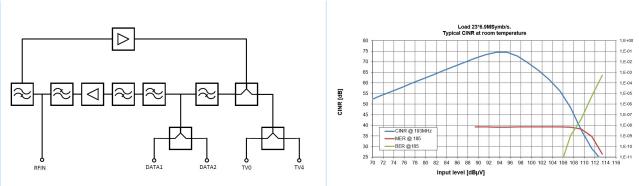
| TECHNICAL SPECIFICATIONS: DOWNS | TREAM ⁽¹⁾ | | |
|--------------------------------------|--|--|--|
| Frequency range | 105/2581218 MHz ⁽²⁾ | Noise figure | 6.5 dB |
| Gain DATA1 DATA2 TV0 TV1 | 2.5 dB 2.5 dB 0 dB 4 dB | Isolation DATA-TV, 105/2581006 MHz DATA-TV, 10061218 MHz TV-TV, 105/2581006 MHz TV-TV, 10061218 MHz DATA-DATA, 105/2581006 MHz DATA-DATA, 10061218 MHz | 30 dB 25 dB 27 dB 23 dB 25 dB 20 dB |
| Flatness | ±1dB | Group delay | 6 ns |
| Return loss | 18 dB @ 40 MHz -1.5 dB/oct., min. 12 dB | Umax (120 channels, QAM256) CTB (34 channels flat @ 87 dBµV) CSO (34 channels flat @ 87 dBµV) | 84 dΒμV 70 dΒ 60 dΒ |
| | a a s (1) | | 00 08 |
| TECHNICAL SPECIFICATIONS: UPSTRE | | | |
| Frequency range | 1585/204 MHz ⁽²⁾ | Isolation between ports | 26 dB |
| Return loss 1781/195 MHz | 18 dB | Group delay 1785/204 MHz | 20 ns |
| Gain DATA1 DATA2 | 1 dB 1 dB | Upstream intermodulation | 2nd order 60 dB 3rd order 60 dB |
| Flatness | ± 1 dB | Ingress suppression (510 MHz) | 30 dB |
| Noise figure | ≤ 15 dB | | |
| GENERAL SPECIFICATIONS (1) | | | |
| Supply Voltage | 220240 VAC/50 Hz | Dimensions | 205 x 80 x 40 mm |
| Power Consumption | 4W | Connectors | moulded F-female acc. to IEC-169-24 |
| LED | Green | EMC compatibility | EN 60728-2 |
| Operating temperature | - 5 ° to + 40 °C | Safety | EN 60728-11 |
| Class of enclosure | IP 20 | Surge | 1 kV, IEC 61000-4-5 |
| Color | RAL 1013 | ESD | 4 kV, IEC 61000-4-2 |

NOTE

(1) Typical values. Please contact us for detailed conditions.

(2) 3VHA-AR085 split between 85...105 MHz and 3VHA-AR204 split between 204...258 MHz.

BLOCK DIAGRAM



ORDERING INFORMATION

3VHA-AR085

1.2 GHz amplifier with 85 MHz upstream path, F-terminators on both DATA ports and customer specific logo.

3VHA-AR204

1.2 GHz amplifier with 204 MHz upstream path, F-terminators on both DATA ports and customer specific logo.

Contact us for more information about the option to use alternative logos.



TELESTE CORPORATION

www.teleste.com

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