



Home amplifier - 6-outputs,
4 Data, 2 TV ports

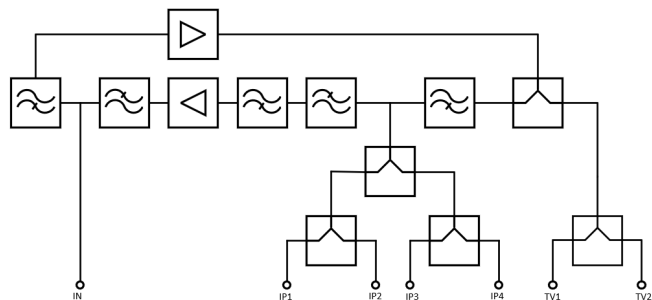
HOME AMPLIFIERS

3NIU-X04-AR085

The 3NIU-X04-AR085 is a 6-output Home Amplifier featuring two unidirectional TV ports and four bidirectional DATA ports designed for systems with a 15-85/105-1218 MHz band split. The amplifier comes with a highly efficient power supply designed for eco-friendly operation, saving energy without compromising performance, capacity, or stability.

3NIU-WO-PR085 features:

- Frequency range up to 1218 MHz
- DOCSIS 3.1 compatible amplifier
- 4 bidirectional DATA ports
- 2 unidirectional TV ports
- Outer plastic cover to secure against electrical contacts
- Energy saving power supply
- Low noise figure
- Data ports equipped with 75 Ω terminators
- Fixed power cord with an earth connection and internal surge protections



TELESTE

HOME AMPLIFIER / 3NIU-X04-AR085

TECHNICAL SPECIFICATIONS ⁽¹⁾			
Downstream signal path		Upstream signal path	
Frequency range	105...1218 MHz	Frequency range	15...85 MHz
Return loss	18 dB ⁽²⁾	Return loss	18 dB
Gains		Gain	
CM	0.5 dB	CM1...CM4	1 dB
DS	4 dB		
Flatness	± 1 dB	Flatness	± 1 dB
Group delay		Group Delay	≤ 20 ns
CM	105 - 110 MHz ≤ 17 ns 110 - 115 MHz ≤ 10 ns 115 - 1218 MHz ≤ 6 ns	Noise figure	15 dB
DS	105 - 110 MHz ≤ 8 ns 110 - 1218 MHz ≤ 6 ns	Isolation between ports	25 dB
		Ingress suppression	35 dB ⁽⁴⁾
		Upstream level	111 dBμV ⁽⁵⁾
Noise figure	≤ 6 dB		
Isolation between ports			
CM - DS	105 - 1006 30 dB 1006 - 1218 25 dB		
DS - DS	105 - 1006 27 dB 1006 - 1218 25 dB		
CM - CM	105 - 1006 27 dB 1006 - 1218 25 dB		
U _{max}	80 dBμV ⁽³⁾		
GENERAL SPECIFICATIONS			
Impedance	75 ohms	Dimensions	220 x 88 x 35 mm ⁽⁶⁾
Supply voltage	220-240 VAC ± 10%	Weight	675 g
Colour	Black	Operating temperature	-5...+40 °C
LED	Green	Class of enclosure	IP 20
Power Cord	1.2 m, 3-pole EU plug	EMC compatibility	IEC 60728-2
Power consumption	< 4 W	Safety	IEC 60728-11
Housing	Zinc Alloy, ABS plastic cover	ESD	4 kV
Input / output connectors	Moulded F-female	Surge	1 kV, 1.2/50 μs

HOME AMPLIFIER / 3NIU-X04-AR085

NOTES

- (1) Typical values.
- (2) The limiting curve is defined at 40 MHz -1.5 dB / octave, minimum 12dB. Return loss is sloped between limits.
- (3) Min. value measured on TV port, at room temperature, with flat level 76 dB μ V QAM256 138 channels frequency raster at input. Tested according to IEC 60728-3, full digital loading up to 1218 MHz. BER measurement has been done on the worst channel between 114 and 1218 MHz.
- (4) The attenuation is measured in 5-10 MHz range.
- (5) Upstream load 8 x QAM256 channels at 111 dB μ V measured at US output (IN connector).
- (6) Includes wall brackets and connectors.

INSIGHTS

ENVIRONMENTAL FRIENDLINESS...

At Teleste, we aim to design environmentally conscious products by reducing material volumes, cutting energy consumption, extending the life cycle of the network infrastructure as a whole, and continually improving product quality.



ORDERING INFORMATION

3NIU-X04-AR085

1.2 GHz Home Amplifier with 85 MHz upstream path, 6 outputs, 2 unidirectional TV and 4 bidirectional DATA, F-terminators on all DATA ports.

TELESTE

TELESTE CORPORATION

www.teleste.com

Home Amplifier 3NIU-X04-AR085_240122

Copyright © 2024 Teleste Corporation. All rights reserved. Teleste and the Teleste logo are registered trademarks of Teleste Corporation. Other product and service marks are property of their respective owners.

Teleste reserves the right to make changes to any features and specifications of the products without prior notice. Although the information in this document has been reproduced in good faith, the contents of this document are provided "as is". Teleste makes no warranties of any kind in relation to the accuracy, reliability or contents of this document, except as required by applicable law.