



Home amplifier - 5-outputs,  
1 Data, 4 TV ports

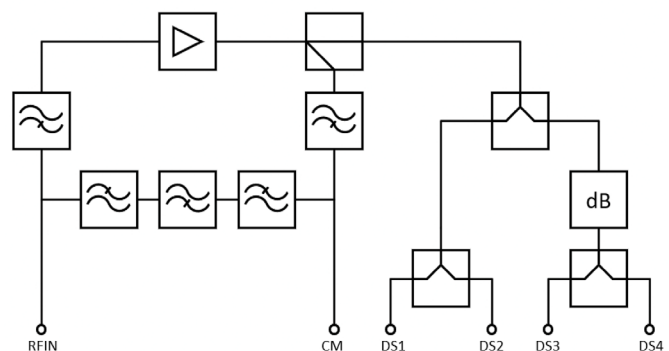
## HOME AMPLIFIERS

# 3NIU-2420-PR085

The 3NIU-2420-PR085 is a 5-output Home Amplifier featuring four unidirectional TV ports and one bidirectional DATA port, designed for systems with a 15–85 MHz upstream and 105–1218 MHz downstream band split. The device surpasses Class A screening efficiency while also providing high robustness, effectively protected against ESD and surge pulses.

### 3NIU-2420-PR085 features:

- Frequency range up to 1218 MHz
- DOCSIS® 3.1 compatible amplifier
- 1 bidirectional DATA port
- 4 unidirectional TV ports
- 15 MHz Ingress Filter on the DATA port
- Passive Upstream
- Lightning protection
- LTE proof
- Outer plastic cover to secure against electrical contacts



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## HOME AMPLIFIER / 3NIU-2420-PR085

TECHNICAL SPECIFICATIONS <sup>(1)</sup>			
Downstream signal path		Upstream signal path	
Frequency range	105...1218 MHz	Frequency range	15...85 MHz
Gain		Insertion Loss	
CM	4 dB	CM	1.2 dB
DS1/DS2	4 dB		
DS3/DS4	0 dB		
Return loss	18 dB	Return loss	18 dB
Noise figure	≤ 6 dB	Noise figure	1.2 dB
Isolation	25...30 dB	Ingress suppression	35 dB
U <sub>max</sub>	79-83 dBμV		
GENERAL SPECIFICATIONS <sup>(1)</sup>			
Connectors	F female, moulded	Dimensions	22 × 8 × 4 cm (w × h × d)
Supply voltage	220...240 VAC	Operating temperature	0...+40 °C
Power consumption	3 W	ESD	2 kV
Surge	1 kV		
NOTES			
(1) Typical values, please contact a Teleste representative for further information.			
ORDERING INFORMATION			
3NIU-2420-PR085	Home amplifier, 15...1218 MHz, with 85 MHz upstream path. 5 outputs, 4 unidirectional TV ports and 1 bi-directional CM port.		
INSIGHTS			
 <b>NO NEED FOR ALIGNMENT...</b>		 <b>LOGISTICS...</b>	
<p>Everyone demands ease of installation. That's why our Home Amplifiers require no alignment or adjustments — just power them on.</p>		<p>Home Amplifiers are delivered in high volumes, and fast deliveries are essential. Teleste's logistics services are tailored and aligned with each customer's requirements.</p>	

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TELESTE CORPORATION  
[www.teleste.com](http://www.teleste.com)

Home Amplifier 3NIU-2420-PR085\_260204

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