

HPA920

REF. 4437

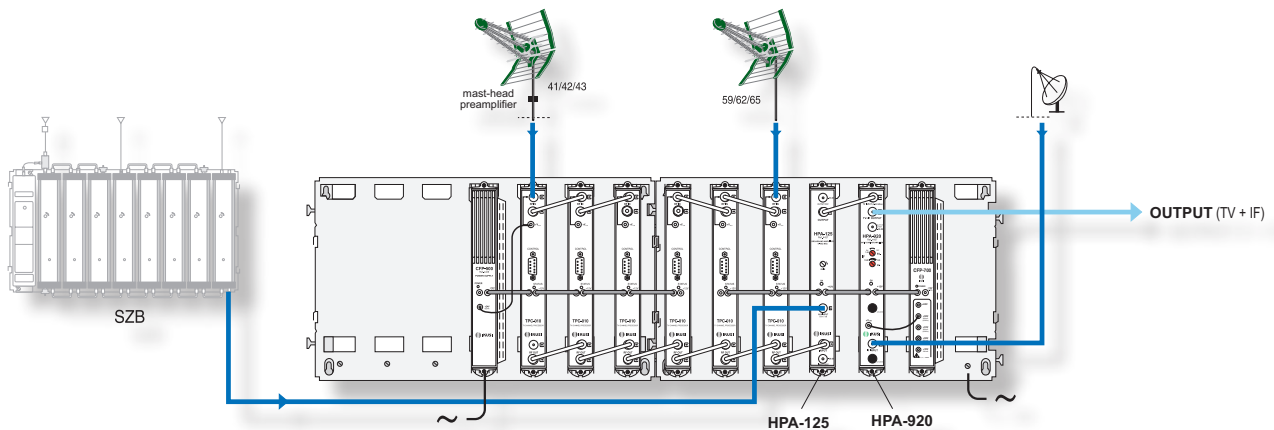
- Application in ClassA headends to drive Sat-IF distribution lines.
- One HPA-920 per polarity or IF signal being distributed.
- 1 satellite IF input port with adjustable gain and 0/7 dB switchable slope to compensate for cable losses, 1 terrestrial TV coupling port, 1 combined TV+IF output port and 1 output test port.
- “Banana” socket to connect the power for the attached LNB.



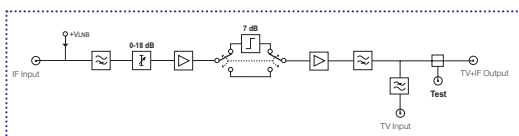
HPA-920

Sat-IF band	MHz	950 – 2150
Response flatness	dB	±1
Nominal gain	dB	40
Continuous gain adjustment	dB	0 – 18
Slope switchable	dB	0/7
Output level (IMD3 -35 dB, EN 50083-3)	dBμV	≥ 120
Input/output return loss	dB	≥ 10
Noise figure	dB	< 7
TV band	MHz	5 – 862
TV coupling loss	dB	≤ 1,5
Output test (TV+FI)	dB	TV: -30 ±1, FI: -30 ±1,5
Supply voltage	V _{DC}	+12
Consumption	mA	250
RF and Test connector type		female F
DC connector type		banana socket
Dimensions	mm	230 x 195 x 32

Each module is packed with:
 - 2 F plug bridges, 64 mm length, for input tap line and output coupling line.
 - 1 DC plug bridge, 53 mm length, for connection of +12 Vdc voltage.



- Application of 1 HPA-920 within a ClassA headend which process 6 terrestrial TV channels and amplifies one satellite polarity. The other modules are 6 TPC-010 processors, 1 HPA-125 amplifier and 2 power supplies (CFP-500 and CFP-700). The assembly is mounted on 2 horizontally joined BAS-700 Base-plates. A TV multichannel signal supplied for an SZB headend is fed to the ClassA headend through the extension input port of the HPA-125 amplifier.



Block Diagram