



MASTHEAD/DOMESTIC AMPLIFIERS WITH SWITCHABLE **LTE** FILTERING

Amplifiers featuring automatic output level and LTE filtering.



Range of masthead amplifiers featuring a **very low noise figure**, and domestic amplifiers with **automatic gain**.

Its built-in **easyF connection system** does not need additional connectors, which together with its new **USOS** function (**User Selectable Output Signal**) ensures the easiest installation, since the device adjusts automatically its gain to overcome signal variations on the aerial and thus maintaining its output level at the selected value.

This amplifier features a switch that allows to select either filter out LTE emissions or not. For this purpose incorporates an UHF filter that cuts off the band whether at CH 60 or at CH 69, so **these amplifiers can be used in all types of markets and signal conditions**.

- **Very low noise figure** for mast amplification.
- Switch between CH 60/ CH69 for **LTE filtering**.
- An ON/OFF switch allows DC pass for **remote powering**.
- A esthetic design and **ultra-small size**.
- **Pluggable AC/DC** adapter (except in Refs 562711, 562712 and 562713).

REF	DESCRIPTION	CODE EAN 13
Mast amplifiers		
561701	3IN/1OUT UHF[dc]-UHF-VHFmix 12...24Vdc without USOS	8424450161005
561801	3IN/1OUT BIII-UHF-FMmix 12...24Vdc with USOS	8424450161012
561501	3IN/1OUT BIII/UHF[dc]-FMmix-Flmix[dc] 12...24Vdc with USOS	8424450160985
561601	3IN/1OUT UHF-VHFmix-Flmix[dc] 12...24Vdc with USOS	8424450160992
Domestic amplifiers		
562701	1IN/1OUT VHF/UHF	8424450161043
562711	1IN/1OUT VHF/UHF without pluggable AC/DC PSU	8424450167878
562702	1IN/2OUT VHF/UHF	8424450165829
562712	1IN/2OUT VHF/UHF without pluggable AC/DC PSU	8424450167885
562703	1IN/(2OUT+TV) VHF/UHF	8424450165812
562713	1IN/(2OUT+TV) VHF/UHF without pluggable AC/DC PSU	8424450165836
579901	"Jack" PSU 12V - 0,2A	8424450167892

NANOKOM SERIES AMPLIFIERS

STABLE OUTPUT LEVEL WITH SELECTABLE LTE FILTERING



TECHNICAL SPECIFICATIONS

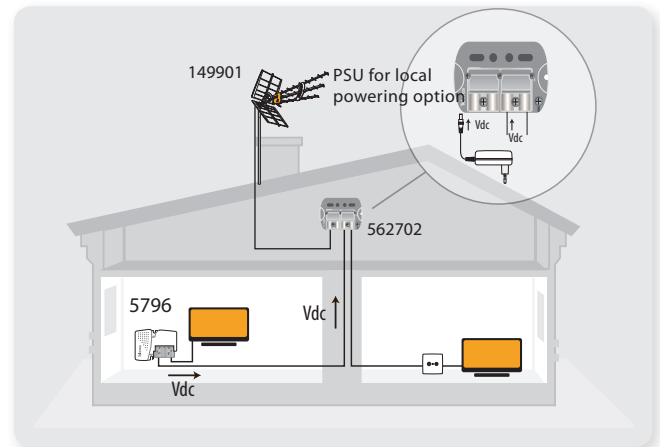
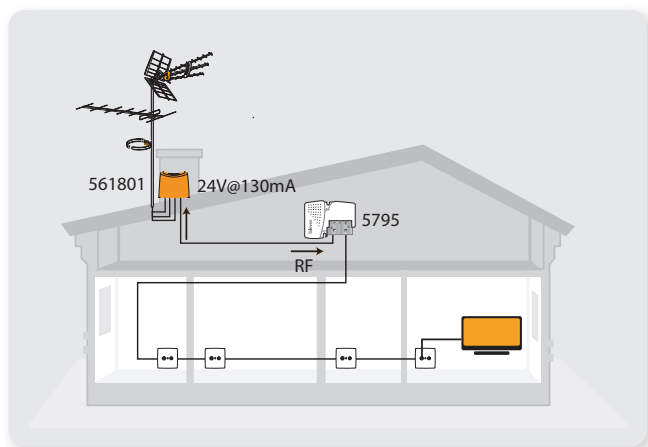
Reference	561701			561801			561501				561601		
Inputs / Bands	UHF1	UHF2	VHF	UHF	BI/II	BI/FM	UHF/BI/II	BI/FM	FI		UHF	VHF	FI
Frequency range	470-862 470-790*		47-254	470-862 470-790*	174-254	47-108	470-862 470-790*	174-254	47-108	950-2150	470-862 470-790*	47-254	950-2150
Gain ⁽¹⁾	27	27	-1,5	29	21	-2	29	20	-2	-2	30	-1,5	-2,5
Output level DIN45004B	107	107	-	107	105	-	107	105	-	-	107	-	-
Automatic gain margin	-	-	-	0-15	0-15	-	0-15	0-15	-	-	0-15	-	-
Output level regulation margin Vout	-	-	-	0-12	0-12	-	0-12	0-12	-	-	0-12	-	-
Automatic output level (10 DTT channels)	-	-	-	94	-	-	94	-	-	-	94	-	-
Gain regulation margin	0-20	0-20	-	-	-	-	-	-	-	-	-	-	-
Noise figure	6	6	-	1	3	-	1,5	3,5	-	-	1	-	-
Powering	V _{dc} 12-24			12-24			12-24				12-24		
Current consumption	45			40			45				40		
Max. current through inputs ⁽²⁾	-	0/40	-	-	-	-	0/40	-	300		0/40	-	300

1 - Gain is 2dB less when LTE filter is set to ON. 2 - Through the input selectable by a switch. * - LTE ON.

Reference		562701 / 562711				562702 / 562712				562703 / 562713			
No of outputs		1				2				3 (2 + TV)**			
Frequency band		UHF	VHF	BI	FM	UHF	VHF	BI	FM	UHF	VHF	BI	FM
Frequency range	MHz	470-862 470-790*	174-400	47-68	87-108	470-862 470-790*	174-400	47-68	87-108	470-862 470-790*	174-400	47-68	87-108
Gain	dB	26	13	12	-20	23	10	9	-20	22	9	8	-20
Output level DIN45004B	dBμV	106	98	98	–	103	95	95	–	102	94	94	–
Automatic gain margin	dB	0-20			–	0-20			–	0-20			–
Output level regulation margin Vout		0-12			–	0-12			–	0-12			–
Automatic output level (10 DTT channels)	dBμV	96	–	–	–	93	–	–	–	92	–	–	–
Noise figure	dB	4,5	5,5	7	–	4,5	5,5	7	–	4,5	5,5	7	–
Powering through inputs ⁽¹⁾	V _{dc}	0/12				0/12				0/12			
Max. current through inputs	mA	0/50				0/50				0/50			
AC/DC adapter	Mains	V _{ac} 196-264 (only Ref. 562701)				196-264 (only Ref. 562702)				196-264 (only Ref. 562703)			
	Output	V _{dc} 12 (only Ref. 562701)				12 (only Ref. 562702)				12 (only Ref. 562703)			
Total AC consumption	W	0,93											
Dimensions (Wid x Hiq x Dep)	mm	68 x 50 x 29											

1 - Through the input selectable by a switch. *: LTE ON / **: TV output is attenuated 9 dB.

EXAMPLES OF APPLICATION



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