

# NANOKOM MAST AMPLIFIERS

## LTE700, 2nd Digital Dividend



REF.	DESCRIPTION	EAN 13
561421	MAST AMP.12..24V 3I/1O UHF-UHF-SATmix	8424450201718
561521	MAST AMP.12..24V 3/1 B3/U-FMmx-SATmx USOS	8424450202449
561620	MAST AMP.12..24V U-Vmx-SATmx USOS AUTOLTE	8424450187388
561621	MAST AMP. 12..24V 3I/1O U-Vmix-SATmix USOS	8424450203224
561721	MAST AMP.12..24V 3I/1O UHF-UHF-VHFmix	8424450201725
561821	MAST AMP. 12..24V 3I/1O BIII-U-FMmix USOS	8424450201732
567810	KIT: MAST AMP. 3/1 + PSU 12V (561621+579401)	8424450174043



Active devices that **filter and amplify television signals** (terrestrial and/or satellite) and allow the installer to adapt the output level to the characteristics of the distribution network. They are mounted on the antenna mast, thus enduring adverse weather conditions. They are **powered through the output coaxial cable**.

- **LTE/5G filter** to remove mobile phone interference.
- **“USOS” technology** (*User Selectable Output Signal*): the installer selects the desired output level, which remains stable. The device automatically adjust gain according to the input signal variation.
- ON/OFF switch to allow **DC pass** towards the UHF input for the powering of a BOSS system.
- **Separate amplification** and **very low noise figure**, thus respecting signal quality.
- **“EasyF”** connection system, reliable and safe, saving up to 50% of the installation time.
- Can be powered in the **12-to-24V range**.
- **High-screening Zamak chassis**.
- Resistant ABS-plastic orange case for outdoor installation.
- **Easy mounting**: equipped with a plastic tie for mast mounting.
- Fully automated manufacturing, subject to the most stringent quality controls.
- **RED compliant**.



	REF.	mm (xyz)	g	U./Pack.
	561421	88x78x42	200	1 / box
	561521			
	561620			
	561621			
	561721			
	561821			
	REF.	mm (xyz)	g	U./Pack.
KIT REF.	561621	88x78x42	200	1 / box
567810	579401	90x67x27	126	1 / box



### AUTO-LTE FILTERING\*

Auto-LTE filtering is taken into many LTE700 amplification products of Teledes. It automatically **detects and**



Reference		561421			561521				561621			561721				
Bands		UHF 1	UHF 2	SAT	UHF + BIll		BI + FM	SAT	UHF	VHF	SAT	UHF 1	UHF 2	VHF	UHF	
Frequency range	MHz	470-694	470-694	950-2150	470-694	174-254	47-108	950-2150	470-694	47-254	950-2150	470-694	470-694	47-254	470-694	
Gain	dB	28		-2,5	28	18	-1,5	-2,5	24	-1,5	-2,5	28		-1,5	28	
Output level DIN45004B	dBμV	108		-	108	106	-	-	104	-	-	108		-	108	
Gain regulation margin	dB	MANUAL 0-20		-	AUTO 0-20	AUTO 0-20	-	-	AUTO 0-20	-	-	MANUAL 0-20		-	AUTO 0-20	
Vout regulation margin		-	-	-	0-12		-	-	0-9	-	-	-	-	-	0-12	
Noise figure	dB	6,5		-	2	3	-	-	3	-	-	6,5		-	2	
Powering	V <sub>dc</sub>	12 - 24														
Current consumption	mA	50														
DC Pass	DC UHF	OFF	0		-	0		-	-	0		-	-	0	-	0
		ON	-	40	-	40		-	-	40	-	-	-	40	-	40
	DC SAT	-	-	300	-	-	-	300	-	-	300	-	-	-	-	
Protection index	IP	23														
Operating temperature	°C	-5 ... +45														

Reference		561620			
Bands		UHF	VHF	SAT	
Frequency range	MHz	470-790 <sup>(1)</sup> 470-694 <sup>(1)</sup>	47-254	950-2150	
Gain	dB	28	-1,5	-2,5	
Output level DIN45004B	dBμV	109	-	-	
Gain regulation margin	dB	AUTO 0-15	-	-	
Vout regulation margin		0-12	-	-	
Noise figure	dB	2,5	-	-	
Powering	V <sub>dc</sub>	12 - 24			
Current consumption	mA	50			
DC Pass	DC UHF	OFF	0		-
		ON	40	-	-
	DC SAT	-	-	300	-
Protection index	IP	23			
Operating temperature	°C	-5 ... +45			

(1) Auto-LTE

