



# TRIAX

connecting the future

## TRIAX Mast electronics

Mast amplifiers for terrestrial TV reception  
- ensure quality signals

### Mast amplifiers for LTE 700 & 800 MHz

TRIAX mast electronics including easy-to-mount high-performance range of mast amplifiers with F-connector. The MFA-range of mast amplifiers are multiband amplifiers featuring 1-2-3 inputs and 1-2 outputs and cut off channels E49-69 or E60-69.

- LTE protected
- Greater electrical connectivity
- Higher output level
- F-connectors on all in- and outputs
- High shielding
- Corrosion resistant
- Flip and lock mechanism for easy installation
- Neoprene soft cable grip
- Weatherproof housing
- Supplied with F-Connector tool
- RF shielded & CE approved (EN 50083)





## Technical data - MFA range of mast amplifiers

Type:	MFA 617	MFA 618	MFA 627	MFA 628	MFA 657	MFA 658
	Mast amplifier	Mast amplifier	Mast amplifier	Mast amplifier	Mast amplifier	Mast amplifier
	1 in/2 out	1 in/2 out	2 in/1 out	2 in/1 out	3 in/1 out	3 in/1 out
	700 MHz	800 MHz	700 MHz	800 MHz	700 MHz	800 MHz
Art. no.	340517	340518	340527	340528	340557	340558
<b>CHARACTERISTICS</b>						
Max. Output level @ -60 dB IMD	104dBµV		108dBµV		108dBµV	
<b>FREQUENCY</b>						
Input 1 - band	BIII(DAB) + UHF		BIII(DAB) + UHF		UHF	
Input 1 - channels	5...12 / 21...48	5...12 / 21...60	5...12 / 21...48	5...12 / 21...60	21...48	21...60
Input 1 - frequency	174...230 / 470...694MHz	174...230 / 470...790MHz	174...230 / 470...694MHz	174...230 / 470...790MHz	470...694MHz	470...790MHz
Input 2 - band				BII	BII	
Input 2 - channels				FM	FM	
Input 2 - frequency				87...108MHz	87...108MHz	
Input 3 - band				BIII		
Input 3 - channels				DAB		
Input 3 - frequency				174...230MHz		
LTE protection	@ 700Mhz	@ 800Mhz	@ 700Mhz	@ 800Mhz	@ 700Mhz	@ 800Mhz
<b>GAIN</b>						
Input 1 - gain	10...25 (BIII)/ 15...30 (UHF) dB	10...25 (BIII)/ 15...30 (UHF) dB	20...35dB	20...35dB	20...35dB	20...35dB
Input 1 - noise figure						
@ 174 - 694 MHz	<4.0dB					
@ 174 - 790 MHz	<4.0dB					
@ 174 - 230 MHz			2.5 dB	2.5 dB	2.5 dB	2.5 dB
@ 470 - 694 MHz			2.0 dB		2.0 dB	
@ 470 - 750 MHz				2.0 dB		2.0 dB
@ 750 - 790 MHz				4.0 dB		4.0 dB
Input 2 - gain			12...22dB	12...22dB	10...22dB	10...22dB
Input 2 - noise figure			2.5dB	2.5dB	2.5dB	2.5dB
Input 3 - gain					10...22dB	10...22dB
Input 3 - noise figure					2.5dB	2.5dB
<b>RETURN LOSS</b>						
Return Loss			10dB			
<b>ELECTRICAL</b>						
Impedance			75Ω			
<b>OPERATIONAL</b>						
DC Operating voltage			24VDC			
DC Current consumption	45mA		43mA		42mA	
LED indicator			Green			
<b>CONNECTORS</b>						
Connector Type			F-female			
Number of outputs	2	2	1	1	1	1
Number of inputs	1	1	2	2	3	3
<b>MECHANICAL</b>						
Product Depth	60mm	60mm	60mm	60mm	60mm	60mm
Product Height	115mm	115mm	115mm	115mm	115mm	115mm
Product Width	107mm	107mm	107mm	107mm	137mm	137mm
Packing QTY	1	1	1	1	1	1
Colour			RAL 7016 - Anthracite			

See the product page  
- scan the QR code

