



LOW NOISE
< 1dB



114x110x41mm

Amplifiers with low noise 1.5dB and low consumption <30mA
Possible to be directly supplied at 5V by the DVB-T receiver

REF.		PR-2000	PR-2001
INPUTS		1 UHF	1 UHF
BAND RANGE	MHz	470-790	470-790
GAIN	dB	10	20
MAXIMUM OUTPUT LEVEL	dBμV	103* 100**	
NOISE FIGURE	dB	1.5	
CONSUMPTION	mA	30	
SUPPLY	VDC	5...24V	
CONNECTION		"F" Connectors	



For amplifiers with channel 21-69(UHF) add the letter Z to the ref.

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P



Mast Amplifiers



Range: DIGI



NEW
OPTION



114x110x41mm

AUTOMATIC CONTROL OUTPUT LEVEL

REF.	DIGI-1000	DIGI-1500	DIGI-2000
INPUTS	1	1	2
GAIN dB	UHF: 15	UHF: 25	FM: 8 BIII/DAB: 12 UHF: 30
BAND RANGE MHz	470...790		88...240 470...790
BAND WITH AUTOMATIC CONTROL OUTPUT LEVEL	UHF (21-60)		
SEPARATED AMPLIFICATION VHF/UHF	No	No	Yes
MAX. INPUT LEVEL - UHF dBμV 1 DVB-T Channel	12/24 Volts 82 (±3)	5 Volts 80 (±3)	73 (±3)
AUTOMATIC CONTROL OUTPUT LEVEL dBμV	1 DVB-T Channel	75 (±3)	75 (±3)
	3 DVB-T Channel	73 (±3)	73 (±3)
	6 DVB-T Channel	69 (±3)	69 (±3)
MAX. OUTPUT LEVEL - VHF dBμV	- -	- -	110* 107**
NOISE FIGURE dB	<3,5	<4,5	FM: <8 BIII/DAB: <5.5 UHF: <6
SUPPLY / CONSUMPTION	5V / 25mA 12V...24V/45mA	12V...24V/75mA	12V...24V/150mA
AUTOMATIC	UHF	UHF	FM+BIII/DAB UHF
DC TO PRÉ - AMPLIFIER	5...24V / 50mA Max	12...24V / 50mA Max	12...24V / 60mA Max
AUTOMATIC RANGE ATTENUATION dB	22(±2)		
CONNECTION	"F" Connectors		



Manufactures option - Channels 21 - 58 in the UHF band

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P

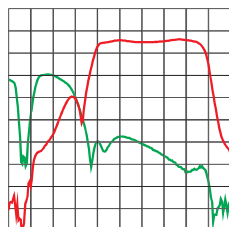

NEW

OPTION

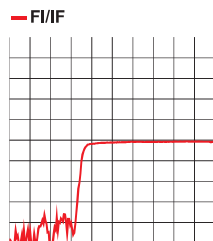
Rejection

5G
READY

Range: TVF-910



— UHF
— BI+BIII



TER Rejection SAT pass



114x110x41mm



For amplifiers with channel 21-69(UHF) add the letter Z to the ref.

Ref.	TVF - 911	TVF - 912	TVF - 913	TVF - 914	TVF - 915
INPUTS / OUTPUTS	2 BIII/UHF SAT	3 VHF(BI+BIII+DAB) UHF SAT	4 VHF(BI+BIII+DAB) UHF1 UHF2 SAT	3 VHF UHF SAT	4 VHF UHF1 UHF2 SAT
BAND RANGE MHz	170 - 240 470 - 862 950 - 2200	47 - 68 170 - 240 470 - 862 950 - 2200	47 - 68 170 - 240 470 - 862 950 - 2200	40 - 240 470 - 862 950 - 2200	40 - 240 470 - 862 950 - 2200
GAIN dB	BIII/DAB: 22 UHF: 33 SAT: -2	VHF: 24 UHF: 33 SAT: -2	VHF: 24 UHF: 30 SAT: -2	VHF: -1,5 UHF: 33 SAT: -2	VHF: -1,5 UHF: 30 SAT: -2
AJUSTABLE GAIN RANGE dB	0 - 20				
MAXIMUM OUTPUT LEVEL dBμV	VHF: 107* UHF: 104* VHF: 104** UHF: 101**		UHF: 104* UHF: 101**		
NOISE FIGURE dB	VHF: 6 UHF: 2,5		VHF: 6 UHF: 5,5	UHF: 2,5	UHF: 5,5
AUTOMATIC DC TO PRÉ - AMPL	UHF1: 12V ---/40mA max SAT: 350 mA				
SUPPLY / CONSUMPTION VDC	Power Supply Pag. 21				
mA	12...18V ---				
	85	90	85	90	
CONNECTION	"F" Connectors				

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P



Mast Amplifiers



Range: TVF-244



114x110x41mm

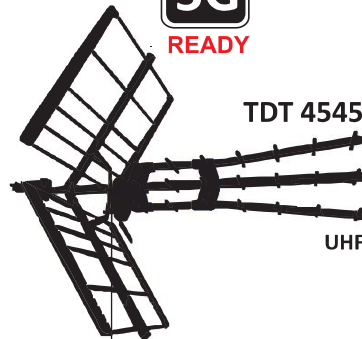
NEW

OPTION

Rejection

5G

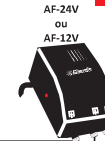
READY



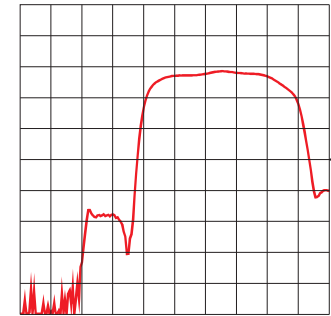
TDT 4545

UHF

TVF-244



AF-24V
OU
AF-12V



UHF

Ref.	TVF-242	TVF-244
INPUTS / OUTPUTS	1 / 2	1 / 4
BAND RANGE	MHz	470-790
GAIN	dB	25
ADJUSTABLE GAIN RANGE	dB	20
MAXIMUM OUTPUT LEVEL	dBμV	100* 97**
NOISE FIGURE	dB	<4.5
CONSUMPTION	mA	52...77
SUPPLY	VDC	12...24V
CONNECTION	"F" Connectors	



For amplifiers with channel 21-69(UHF) add the letter Z to the ref.

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P

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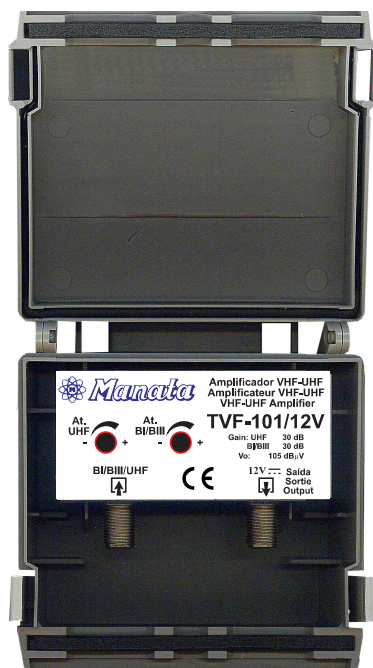
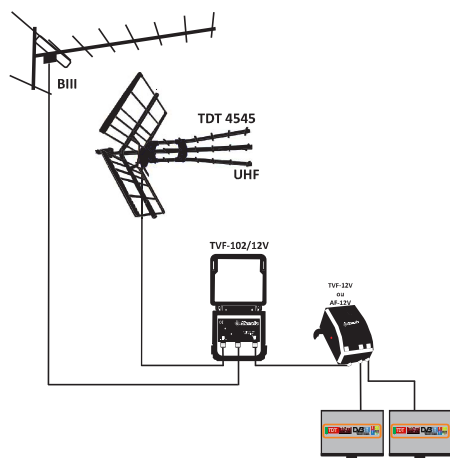

NEW

OPTION

Rejection

5G
READY

Range: TVF-100/12V



95x100x45mm



For amplifiers with channel 21-69(UHF) add the letter Z to the ref.

Ref.		TVF - 100/12V	TVF - 101/12V	TVF - 102/12V	TVF - 103/12V	TVF - 104/12V
INPUTS		1 UHF	1 BI/BIII/UHF	2 BI/BIII UHF	2 BI/BIII UHF	2 BI/BIII UHF
BAND RANGE	MHz	470 - 790	47 - 790	47 - 68/170 - 240 470 - 790	47 - 68/170 - 240 470 - 790	47 - 68/170 - 240 470 - 790
GAIN	dB	UHF: 30	BI/BIII/UHF: 30	BI/BIII: 15 UHF: 25	BI/BIII: 30 UHF: 30	BI/BIII: 40 UHF: 40
AJUSTABLE GAIN RANGE	dB	0-20				
MAXIMUM OUTPUT LEVEL	dBμV	UHF-105* UHF-102**	VHF-108* UHF-105* VHF-105** UHF-102**			
SUPPLY	VDC	12V---				
CONSUMPTION	mA	65				80
NOISE FIGURE	dB	UHF: 4,0	BI/BIII: 5,0 UHF: 4,0			BI/BIII: 2,5 UHF: 3,0
CONNECTION		"F" Connectors				

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P



Mast Amplifiers



Mainata

Range: TVF-250/260



NEW

OPTION

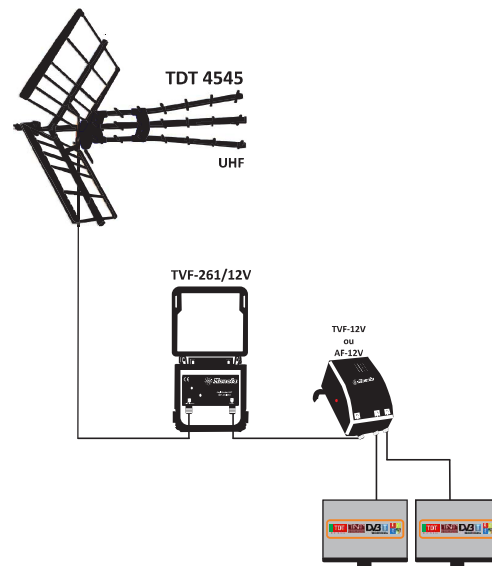
Rejection

5G

READY



114x110x41mm



For amplifiers with channel 21-69(UHF) add the letter Z to the ref.

Ref.	TVF - 251/12V	TVF - 252/12V	TVF - 253/12V	TVF - 261/12V	TVF - 262/12V	TVF - 263/12V
INPUTS	1 BI/BIII/UHF	2 BI/BIII UHF	3 BI/BIII UHF UHF	1 BI/BIII/UHF	2 BI/BIII UHF	3 BI/BIII UHF UHF
GAIN	dB	BI/BIII: 30 UHF (21-60) : 40		BI/BIII: 30 UHF (21-60): 30		
AJUSTABLE GAIN RANGE	dB	0-20				
MAXIMUM OUTPUT LEVEL	dBμV			108* 105**		
SUPPLY	VDC	12V---				
CONSUMPTION	mA	40				
NOISE FIGURE	dB	BI/BIII: 4 UHF: 3,5		BI/BIII: 4 UHF: 4		
CONNECTION		"F" Connectores				

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P

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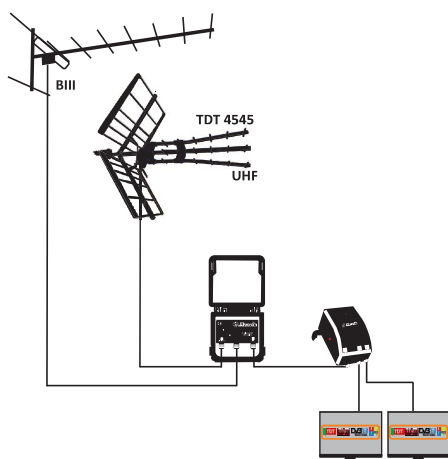


VHF-UHF Separated Amplification

NEW
OPÇÃO - OPTION



Range: TVF-410



For amplifiers with channel 21-69(UHF) add the letter Z to the ref.



114x110x41mm

REF.	TVF-412/12V	TVF-413/12V	TVF-413A/12V	TVF-415/12V	TVF-415A/12V	TVF-415BS/12V	TVF-416/12V	TVF-417/12V
INPUTS	2 BI/BIII UHF(21-60)	3 BI/BIII UHF(21-60) UHF(21-60)	3 BI/BIII UHF(21-60) UHF(21-60)	3 BI/BIII BIV(21-36) BV(38-60)	3 BI/BIII BIV(21-36) BV(38-60)	3 BI/BIII (21-39) (41-60)	4 BI BIII BIV(21-36) BV(38-60)	3 BI BIII UHF(21-60)
GAIN	dB VHF: 20 UHF: 30	VHF: 20 UHF: 30 UHF: 30	VHF: 20 UHF: 20 UHF: 20	VHF: 20 BIV: 30 BV: 30	VHF: 20 BIV: 20 BV: 20	(VHF): 20 (21-39): 30 (41-60): 30	BI: 20 BIII: 20 BIV: 24 BV: 24	BI: 20 BIII: 20 UHF: 24
AJUSTABLE GAIN RANGE	0-20							
MAXIMUM OUTPUT LEVEL	110*							
	107**							
SUPPLY	VDC 12V---							
CONSUMPTION	mA 100							
NOISE FIGURE	dB VHF: 3 UHF: 5							
CONNECTION	"F" Connectores							

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P



Mast Amplifiers



Range: TVF-410-420-450-650



Available in Kit's

KIT-411A = TVF-411A/12V + FC-12V
KIT-412 = TVF-412/12V + FC-12V
KIT-419A = TVF-419A/12V + FC-12V
KIT-420 = TVF-420/12V + FC-12V
KIT-420A = TVF-420A/12V + FC-12V
KIT-420B = TVF-420B/12V + FC-12V
KIT-453 = TVF-453/12V + FC-12V



NEW

OPTION

Rejection

5G

READY



VHF-UHF Separated Amplification

Automatic Dc to Pré-amplifier

REF.	TVF-411A/12V	TVF-412/12V	TVF-453/12V	TVF-419A/12V	TVF-420/12V	TVF-420A/12V	TVF-420B/12V
INPUTS	1 BI+BIII+UHFcc	2 BI+BIII UHFcc	3 BI+BIIIcc UHF1cc UHF2cc	3 BIII 21-32cc 34-60cc	4 BI+BIII UHF BIVcc BVcc	4 BI+BIII UHFcc 21-38cc 40-60cc	4 BI+BIII UHFcc 21-32cc 34-60cc
GAIN	dB BI+BIII: 30 UHF: 32	dB BIII+BIII: 30 UHF: 32	dB BI+BIII: 20 UHF: 30	dB BIII: 20dB 21-32: 24dB 34-60: 24dB	dB BI+BIII: 28 UHF/BIV/BV: 28	dB BI+BIII: 28 UHF: 28 21-38/40-60: 28	dB BI+BIII: 28 UHF: 28 21-32/34-60: 28
ADJUSTABLE GAIN RANGE	dB	20					
MAXIMUM OUTPUT LEVEL	dBμV	115** 112**					
SUPPLY	VDC	12	12	12	12	12	12
CONSUMPTION	mA	170	170	160	170	170	170
NOISE FIGURE	dB	BI+BIII: 4 UHF: 3,5	BI+BIII: 5,5/7,5 UHF: 4,5	BI+BIII: 4 UHF: 3,5	BIII: 4 UHF: 3	BI+BIII: 4 UHF/BIV/BV: 3	BI+BIII: 4 UHF/21-32/34-60: 3
AUTOMATIC DC TO PRÉ - AMPL available 100 mA	dB	BI+BIII+UHF 12V---/100mA max	UHF 12V---/100mA max	BI+BIII/UHF1/UHF2 12V---/100mA max	21-32/34-60 12V---/100mA max	UHF/BIV/BV 12V---/100mA max	UHF/21-32/34-60 12V---/100mA max
CONNECTION	«F» Connectors						



114x110x41mm



REF.	TVF - 651/12V	TVF - 652/12V
INPUTS	1 BIII+UHFcc	2 BIIIcc UHFcc
GAIN	dB BIII: 22 UHF: 24	dB BIII: 20 UHF: 24
ADJUSTABLE GAIN RANGE	dB	0-20
MAXIMUM OUTPUT LEVEL	dBμV	110* 107**
SUPPLY	VDC	12
CONSUMPTION	mA	65
NOISE FIGURE	dB	BIII: 5,5 UHF: 6,5
AUTOMATIC DC TO PRÉ - AMPL available 100 mA	dB	BIII+UHF 12V---/100mA max
CONNECTION	«F» Connectors	

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P

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NEW

OPTION

Rejection

5G
READY

Range: TVF-500



* Inputs BIII/BIV/BV/UHF with automatic current passage 12V/80 mA for pre-amplifier.

REF.		TVF-550/12V	TVF-580/12V	TVF-580C/12V
INPUTS		4	5	5
BAND RANGE	MHz	BI BIII* BIV* BV*	BI BIII* UHF* BIV* BV*	BI BIII* (21-37)* (38-56)* (58-60)*
GAIN	dB	BI: 30 BIII: 30 BIV: 40 BV: 40	BI: 20 BIII: 20 UHF: 30 BIV: 30 BV: 30	BI: 20 BIII: 20 (21-37): 30 (38-56): 30 (58-60): 30
ADJ. GAIN RANGE	dB	0-20		
MAX. OUT. LEVEL	dBμV	115** 112***		
SUPPLY / CONSUMPTION	VDC	12V 		
	mA	175 	160	
NOISE FIGURE	dB	VHF: 6 UHF: 9		
CONNECTION		"F" Connectors		

VHF-UHF Separated Amplification



142x133x62mm


Power supply
24V

REF.	TVF-510	TVF-540	TVF-580	TVF-590
INPUTS	3	5	5	4
BAND RANGE	MHz BI/FM BIII UHF	BI FM BIII UHF UHF	BI/FM BIII BIV BV UHF	BI/FM BIII UHF UHF
GAIN	dB BI: 28 FM: 24 BIII: 36 UHF: 43	BI: 28 FM: 24 BIII: 36 UHF: 40	BI: 28 FM: 24 BIII: 36 BIV: 40 BV: 40 UHF: 40	BI: 28 FM: 24 BIII: 36 UHF: 40
ADJ. GAIN RANGE	dB	0-20		
MAX. OUT. LEVEL	dBμV	110** 107***		
SUPPLY / CONSUMPTION	VDC mA	24V --- 80		
NOISE FIGURE	dB	VHF : 3 UHF: 5		
CONNECTION	"F" Connectors			

**DIN 45004B, IMD3= -60dB, 3P

***EN 50083-3, IMD3= -60dB, 2P



Mast Amplifiers



Range: TVF-120



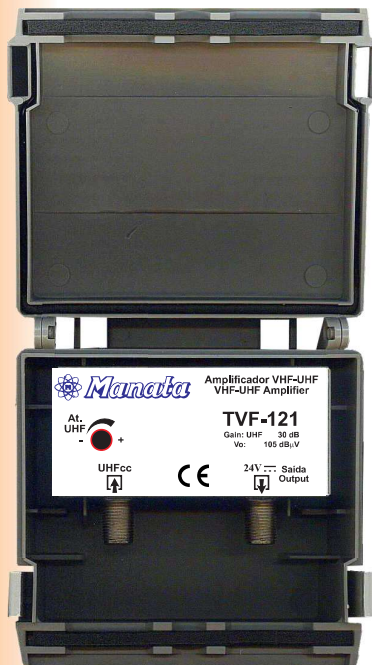
NEW

OPTION

Rejection

5G

READY



95x100x45mm



Option in Kit's

KIT-522AL = TVF-122 + AL-24V
KIT-525AL = TVF-123 + AL-24V

REF.	TVF-121	TVF-122	TVF-123	TVF-124	TVF-125
INPUTS	1 UHFcc	1 UHF	2 UHF UHF	1 UHFcc	2 UHFcc UHF
GAIN	30	20	20	40	30
ADJUSTABLE GAIN RANGE			20		
MAXIMUM OUTPUT LEVEL			108* 105**		
SUPPLY			24		
CONSUMPTION			45		
NOISE FIGURE	4,5	4,5	5	4,5	5
SWITCH / JUMPER	Yes	No	No	Yes	Yes - 1UHF
DC TO PRÉ - AMPLIFIER	24V/40mA			24V/40mA	24V/40mA
CONNECTION	«F» Connectors				

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P


NEW

OPTION

Rejection

5G
READY

Range: TVF-200



102x102x48mm



Option in Kit's

KIT-501 = TVF-201 + AF-24V

KIT-502 = TVF-202 + AF-24V

KIT-503 = TVF-203 + AF-24V

KIT-511 = TVF-211 + AF-24V

KIT-512 = TVF-212 + AF-24V

KIT-513 = TVF-213 + AF-24V

REF.	TVF-201	TVF-202	TVF-203	TVF-207	TVF-211	TVF-212	TVF-213
INPUTS	1 BI/BIII/UHF	2 BI/BIII UHF	3 BI/BIII UHF UHF	3 BI/FM BIII UHF	1 BI/BIII/UHF	2 BI/BIII UHF	3 BI/BIII UHF UHF
BAND RANGE	MHz 40-70 160-240 460-790	40-70 160-240 460-790	40-70 160-240 460-790	40-108 160-240 460-790	40-70 160-240 460-790	40-70 160-240 460-790	40-70 160-240 460-790
GAIN	dB	BI/BIII: 30 UHF:40		BI/FM : 25 BIII: 30 UHF 40		BI/BIII: 30 UHF: 30	
ADJUSTABLE GAIN RANGE	dB			0-20			
MAXIMUM OUTPUT LEVEL	dBμV			107* 104**			
SUPPLY / CONSUMPTION	VDC mA			24V--- 40			
NOISE FIGURE	dB		VHF: 4 UHF: 3,5			VHF: 5 UHF: 4	
CONNECTION				"F" Connectors			



For amplifiers with channel 21-69(UHF) add the letter Z to the ref.

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P



Mast Amplifiers



Range: TVF-230/250



NEW

OPTION

Rejection

5G

READY



Option in Kit's

KIT-531 = TVF-231 + AF-24V

KIT-532 = TVF-232 + AF-24V

KIT-533 = TVF-233 + AF-24V

KIT-534 = TVF-234 + AF-24V

KIT-535 = TVF-235 + AF-24V

114x110x41mm



For amplifiers with channel 21-69(UHF) add the letter Z to the ref.

REF.		TVF-232	TVF-233	TVF-234	TVF-235	TVF-251UL	TVF-252UL	TVF-252/FM
INPUTS		2 BI/BIII UHF	3 BI/BIII UHF1 UHF2	1 UHF	2 UHF1 UHF2	1 UHF	2 UHF1 UHF2	2 FM UHF
GAIN	dB	BI/BIII: 30 UHF: 36		UHF: 36		UHF: 40	UHF: 40	FM: 15 UHF: 40
ADJUSTABLE GAIN RANGE	dB	20						
MAXIMUM OUTPUT LEVEL	dBμV	107* 104**						
SUPPLY	VDC	24						
CONSUMPTION	mA	40						
NOISE FIGURE	dB	UHF: 3,5						
CONNECTION		«F» Connectors						

*DIN 45004B, IMD3= -60dB, 3P

**EN 50083-3, IMD3= -60dB, 2P