



# Masthead Electronics

Comprehensive range includes amplifiers,  
passive combiners and splitters

Weatherproof housing

Simple mounting system

F Connectors

Amplifiers with high output capability and low noise



TRIAX - your ultimate connection

# Masthead Amplifiers

## TFM Range

- Masthead Amplifiers with gold F connectors
- > Greater electrical connectivity
- > Improves shielding
- > Corrosion resistant
- Flip and lock mechanism for easy installation
- Neoprene soft cable grip
- New weatherproof housing
- Fully screened enclosure
- Field proven mast securing methods
- Flexible 12-24 volt powering
- Supplied with F-Connector tool



Part No.	370660	370661	370662	370663	370664
Product	TFM 15W	TFMV 25W	TFMV 25W VHF	TFMV 34W	TFM 32W VHF
Input Range (Group)	UHF	UHF	UHF VHF	UHF	UHF VHF
Input Range (MHz)	470-862	470-862	470-862 47-230	470-862	470-862 47-230
Typical Gain (dB)	15	25	25 / -1	34	32 / -1
Gain Control	-	10-25	10-25	26-34	-
Max. Output (dBuV)*	105	105	105	105	105
Noise (dB)	1.8	1.8	1.8	1.8	1.8
Current Requirements (mA)	16	40	50	50	55
No. Inputs	1	1	2	1	2
No. Outputs	1	1	1	1	1

\* DIN45004B 3 Carries, IMD<sub>3</sub>-60dB

RoHS Compliant

Part No.	370665	370666	370667	370668	370669
Product	TFMV 425-VHF	TFMV 22W-DAB-FM	TFM 25A	TFM 25B	TFM 25C
Input Range (Group)	UHF VHF	UHF DAB FM	A	B	C
Input Range (MHz)	470-862 47-230	470-862 174-230 87.5-108	470-605	591-733	687-862
Typical Gain (dB)	25 0	22 12 12	25	25	25
Gain Control	15-25	12-22 2-12 2-12	-	-	-
Max. Output (dBuV)*	97	105	105	105	105
Noise (dB)	2.5/4	2.5/3/3	1.8	1.8	1.8
Current Requirements (mA)	53	40	40	40	40
No. Inputs	2	3	1	1	1
No. Outputs	4	1	1	1	1

## Power Supplies

- F Connector and IEC versions
- Fully Screened
- Short circuit and thermal fuse protected
- Power on LED

### F 100 IEC 100

Part No.	370105	370106
Product	F100/1	IEC100/1
Connectors	F	IEC
Inputs	1	1
Outputs	1	1
Insertion Loss	<1dB	<1dB
Voltage AC	230 ±10% 3VA	230 ±10% 3VA
Voltage (Volts DC)	12	12
Max. Current (mA)	100	100
Screened	Yes	Yes
IEC 60168-24(f) Gold	Yes	-
IEC 60168-2(f)	-	Yes



# Masthead Combiners

## TFC Range

- Masthead Combiners with gold F connectors
  - > Greater electrical connectivity
  - > Improves shielding
  - > Corrosion resistant
- Flip and lock mechanism for easy installation
- Neoprene soft cable grip
- New weatherproof housing
- Fully screened enclosure
- Field proven mast securing methods
- Supplied with F-Connector tool
  
- TFC Group Combiners also feature:
  - > High out of band rejection
  - > Excellent isolation
  - > Switchable through power

## TFC Group Range

Part No.	370684	370685	370686
Product	TFC3739 STP Group Comb.	TFC3537 STP Group Comb.	TFC5052 STP Group Comb.
Input Range (Channel)	2-37 39-69	2-35 37-69	2-50 52-69
Input Range (Group)	A E	A E	AB CD
Input Range (MHz)	47-606 614-862	47-590 598-862	47-710 718-862
Through Loss (dB)	<1 <1	<1 <1	<1 <1
Rejection (dB)	>20 >20	>20 >20	>20 >20
Through Power	Switchable Switchable	Switchable Switchable	Switchable Switchable



## Masthead Filter

Part No.	304060
Product	UHF Band Pass Filter (TETRA)
Frequency Range (MHz)	470-862
Through Loss (dB)	<=2.5
Rejection (dB)*	<450MHz / >900MHz

Part No.	370682	370683	370687	370680	370681	370688
Product	TFC VHF/ UHF	TFC FM/ DAB/UHF	TFC FM/ DAB/UHF/ SAT	TFC 2W Split	TFC 3W Split	TFC 4W Split
Input Range (Group)	UHF VHF	UHF DAB FM	SAT UHF DAB FM	VHF/UHF	VHF/UHF	VHF/UHF
Input Range (MHz)	470-862 47-230	470-862 174-230 87.5-108	950-2150 470-862 174-230 87.5-108	47-862	47-862	47-862
Through Loss (dB)	<2 UHF <1 VHF	<2 UHF <1.5 DAB <1 FM	<3.5 SAT <2 UHF <1.5 DAB <1 FM	3.6	<7	<8
Rejection (dB)	>25	>23	>23	-	-	-
Isolation (dB)	-	-	-	>20	>20	>20
Through Power	Switch- able on Both Inputs	UHF	SAT / Switch- able UHF	ALL	ALL	ALL
Inputs	2	3	4	1	1	1
Outputs	1	1	1	2	3	4
DC Power Pass	12/500mA	12/500mA	12/500mA	12/500mA	12/500mA	12/500mA





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\*Triax reserves the right to change the specifications without prior notification