



Amplifiers
Range



For the Best



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AMPLIFIERS

JOHANSSON MASTHEAD AMPLIFIERS

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AMPLIFIERS

HOW JOHANSSON MAKES YOUR INSTALLATION EASY!!

MRS JOHANSSON - your son is a clever guy!!

The problem he's just solved was this. Antenna installers all over Australia have struggled for years to find a user friendly Masthead Amplifier - one that's easy to work with, one that doesn't have 'bits' that fall off (usually when you're up on the roof) and ones that don't have to be irreversibly broken. But now young Mr Johansson has developed the ultimate amp.

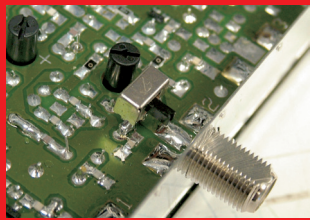
- Fully encapsulated and weatherproof construction
- 30% less time to install
- Nothing to unscrew - Nothing to lose
- Maximised working access
- No unnecessary links to break during installation
- Optimised for 'F' connectors



PERFORMANCE AND EASY USE FEATURES

- Fully shielded to avoid interference and minimise ingress & egress of unwanted signals
- Low noise for cleaner pictures
- 'F' type connections for fast installation and impulse noise reduction
- Easy to access tilt feature for maximised working access
- Interstage amplification optimised for Digital reception - the noise figure has been kept to a minimum by placing the attenuation controls between the first and the second stages
- SMARTSWITCH™ Technology Switchable inputs for flexibility - no links to break
- Adjustable Gain controls - Separate controls for UHF & VHF allows optimum launch levels and flexibility.

SMARTSWITCH™



MASTHEAD AMPLIFIER CHART

This chart provides a guide as to which masthead amplifier should be used depending on the signal at the antenna and no. of outlets in the system.

Signal at Antenna	Number of Outlets								
	1	2	3	4	5	6	8	12	16
40dB	J34	J34	J34	J34	J40	J40	J40	J40	J40
45dB	J34	J34	J34	J34	J40	J40	J40	J40	J40
55dB	J24	J24	J24	J24	J34	J34	J34	J34	J40
65dB	n/a	n/a	J24	J24	J24	J24	J34	J34	J34
70dB	n/a	n/a	J24	J24	J24	J24	J24	J24	J24

NOTE: 1. This assumes that each cable run does not exceed 25m in length and is a minimum of RG6. 2. Adjustment of the gain control may be required in some cases to reduce signal level.





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JOHANSSON MASTHEAD AMPLIFIERS

Amplifier Masthead UHF/VHF
24dB Gain

I0MM-J24BF

Technical Data

Description	Wideband single input single gain control FM trap
Max. Gain	UHF 24dB VHF 24dB
Gain Control	14dB
Input Voltage	1, 14VDC
Noise Figure	3.5dB
Input Min.	35dBµv
Output Max.	105dBµv



Amplifier Masthead UHF/VHF 34dB Gain

I0MM-J34BF

Technical Data

Description	Wideband separate gain controls. Built in -34dB FM trap
Max. Gain	UHF 34dB VHF 28dB
Gain Control	UHF -15dB VHF -15dB
Input Voltage	2, 14VDC
Noise Figure	UHF 2.5dB VHF 3.5dB
Input Min.	35dBµv
Output Max.	105dBµv



Amplifier Masthead UHF/VHF 24dB
Gain & Power Supply

I0MM-J24BFP



Amplifier Masthead UHF/VHF 34dB
Gain & Power Supply

I0MM-J34BFP



Amplifier Masthead UHF 25dB
'A' Class Super Low Noise

I0MM-J25SLN

Features

- UHF Only
- Easy to install
- 'F' Type connections for fast installation and impulse noise reduction
- Low noise for stable pictures and for reduced pixilation
- High output proven performance
- Weatherproof housing for external mounting
- Environmentally Smart
- MEPS and RoHs compliant
- Compression Connector Compatible
- Gain UHF 10dB - 25dB Adjustable



Amplifier Masthead 34dB Gain UHF/VHF
& FM & Power Supply

I0MM-J34GFP

Technical Data

Description	Separate gain controls UHF/VHF +FM
Max. Gain	UHF 34dB VHF/FM 28dB
Gain Control	UHF 15dB VHF 20dB
Input Voltage	2, 14VDC
Noise Figure	UHF 2.5dB FM 3.5dB
Input Min.	35dBµv
Output Max.	105dBµv





AMPLIFIERS

Amplifier Masthead UHF 34dB Gain

10MM-J34CF

Technical Data

Description	Wideband separate gain controls. Built in -34dB FM trap
Max. Gain	UHF 34dB VHF -0.5dB
Gain Control	UHF -15dB
Input Voltage	2, 14VDC
Noise Figure	UHF 2.5dB
Input Min.	35dBµv
Output Max.	105dBµv



Amplifier Masthead B3/UHF Gain Control

10MM-J35BF

Technical Data

Description	Band 3 & UHF
Max. Gain	UHF 35dB VHF 28dB
Gain Control	UHF -15dB VHF -20dB
Input Voltage	2, 14VDC
Noise Figure	UHF 2dB VHF 1.5dB
Input Min.	35dBµv
Output Max.	110dBµv



Amplifier Masthead UHF 34dB Gain & Power Supply

10MM-J34CFP



Amplifier Masthead B3/UHF Gain Control & Power Supply

10MM-J35BFP



Amplifier Masthead UHF/VHF 40dB Gain

10MM-J40BF

Technical Data

Description	Wideband separate gain controls. Built in -34dB FM trap
Max. Gain	UHF 40dB VHF 28dB
Gain Control	UHF -15dB VHF -15dB
Input Voltage	14VDC Input 2
Noise Figure	UHF 1.5 - 2dB VHF 2 - 2.5dB
Input Min.	35dBµv
Output Max.	105dBµv



Amplifier Masthead UHF 40dB Gain

10MM-J40CF

Technical Data

Description	UHF only single gain control
Max. Gain	UHF 40dB VHF -0.5dB
Gain Control	UHF -15dB
Input Voltage	14VDC
Noise Figure	UHF 1.5 - 2dB
Input Min.	30dBµv
Output Max.	112dBµv



AMPLIFIERS



Amplifier Masthead UHF/VHF 40dB
Gain & Power Supply

10MM-J40BFP



Amplifier Masthead VHF/UHF
Gain Control

10MM-J40DF

Technical Data

Description	Wideband separate gain controls. Built in -34dB FM trap
Max. Gain	UHF 28dB VHF 40dB
Gain Control	UHF -15dB VHF -15dB
Input Voltage	14VDC Input 2
Noise Figure	UHF 2.5 - 3.5dB VHF 1.5 - 2dB
Input Min.	30dBµv
Output Max.	112dBµv



DIGIMATCH MASTHEAD AMPLIFIERS

Amplifier Masthead UHF/VHF 15dB
with MEPS Compliant & Power Supply

10MM-MA15P

Features

- Gain UHF/VHF 15dB
- Perfect for up to 12 outlets
- Low noise figure <2.5dB - ideal for digital reception
- Posistor protected power supply
- Digital Ready 'F' Type
- Fully shielded
- Weatherproof housing
- Corrosion resistant stainless steel cable tie included with black UV coating



Amplifier Masthead UHF/VHF 24dB
& Power Supply

10MM-MA24UP

Features

- Heavy Duty clamping system
- 2 Inputs - UHF/U + V & VHF
- Switchable input selection
- Posistor protected right angle regulated Power Supply
- Digital Ready 'F' type
- Adjustable interstage gain on UHF 14-24dB
- Fully shielded
- No links to cut
- VHF Bypass <1dB
- Weatherproof housing
- Corrosion resistant stainless steel cable tie included with black UV coating



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AMPLIFIERS

Amplifier Masthead UHF/VHF 30dB with MEPS Compliant Power Supply

10MM-MA30P

Features

- Heavy Duty clamping system
- Switchable input selection
- Posistor protected right angle regulated P/supply
- Digital Ready 'F' Type
- Adjustable interstage gain on UHF & VHF
- Gain UHF 30dB
- Gain VHF B1 -20dB B3 -25dB
- Fully shielded
- No links to cut
- Corrosion resistant stainless steel cable tie included with black UV coating



Amplifier Masthead UHF/VHF & Power Supply

10MM-UA30P

Features

- Digital/FM/DAB+ Compatible
- Multiple configurations, one amplifier can fit almost every job
- 3 inputs so it can be used with any combination of antennas
- Easy to use switch design means no cutting of links
- Able to change configuration while on the go
- Great for use with multiple transmitters
- Can be used for combination antennas and separate UHF/VHF/FM antennas
- Includes 'F' type connections and power supply
- Separate gain controls for B3, FM and UHF
- LED's indicate if power is present at the amplifier
- Mast or wall mountable
- Gain
 - B1 - 2dBμV
 - B3 +8 to +30dBμV
 - FM +8 to +30dBμV
 - UHF +8 to +30dBμV
- Switchable gain 20 and 30dBμV
- Fully Shielded
- Terminators included
- Corrosion resistant stainless steel cable tie included with black UV coating



Amplifier Masthead 30dB UHF/25dB VHF & Switchable FM Trap

10MM-MA30FM

Features

- Switchable input selection - UHF /VHF
- Environmentally friendly RoHS compliant
- 'F' Type Connections
- Adjustable gain on UHF & VHF
- New Tilt Feature for easy installation
- Weatherproof
- Fully shielded for durability
- No links to cut
- Power supply sold separately
- Corrosion resistant stainless steel cable tie included with black UV coating

(10MM-PSD14 - 14V DC 'F' Type Power supply or 10MM-PSM06 - 14V DC Power supply)



Amplifier Masthead UHF/VHF 30dB Gain, Switchable + Power Supply

10MM-MA30PDF

Features

- Heavy Duty clamping system
- New slide switchable input selection
- New Green LED indicator
- Posistor protected right angle regulated power supply
- Digital Ready 'F' Type
- Adjustable interstage gain on UHF & VHF
- Gain UHF 30dB
- Gain VHF B1 -20dB B3 -25dB
- Frequency range 694-820MHz filter
- Fully shielded
- No links to cut
- Includes power supply
- Corrosion resistant stainless steel cable tie included with black UV coating





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SPLITTER AMPLIFIERS

Features for both 10MM-AS38 & 10MM-AS39

- Built in adjustable gain regulators
- Die cast housing inside heavy duty casing
- Built in power supply
- Suitable for apartments

Amplifier Splitter 4 Way 10MM-AS38

Technical Data

Frequency Range	47-862 MHz
Outputs	4
Gain	20dB
Gain Adjustment	0 ÷ -16dB
Max Output Level IMD3=60 dB (DIN45004B)	100 dBµV*
Input and Output return loss	>10dB
Noise Figure	<5dB
Test Point	-20dB
Attenuation	
Port to Port Output Isolation	>16dB
Power Consumption	230V ~ 50 Hz 3W
Operating Temp. Range	-20° ÷ +50 °C
Dimensions & Weight	133x73x39mm 0.36kg



Amplifier Splitter 2 Way 10MM-AS39

Technical Data

Frequency Range	47-862 MHz
Outputs	2
Gain	20dB
Gain Adjustment	0 ÷ -12dB
Max Output Level IMD3=60 dB (DIN45004B)	100 dBµV
Input and Output return loss	>10dB
Noise Figure	<6dB
Test Point	-
Attenuation	
Port to Port Output Isolation	>16dB
Power Consumption	230V ~ 50 Hz 3W
Operating Temp. Range	-20° ÷ +50 °C
Dimensions & Weight	133x63x39mm 0.36kg



Amplifier Splitter 2 Way - Digimatch 10MM-MA22F

Application

Ideal for improving reception on a single TV or allowing the TV and FM signal to be split to 2TV's.

Features

- Hang sell resealable package
- 1 Input & 2 Outputs



Technical Data

No. of Inputs	1
No. of outputs	2
Gain	15dB ± 3dB
Max Output 60dBIMR	100dBµV

Amplifier 4 Way 'F' Type Remote Powered 10MM-MA24R

Features

- Frequency range: 45 - 862MHz
- Easy to install & fully automatic in operation
- Remotely powered via any output
- 1 x Input 4 x outputs
- Hang sell display box
- Gain 8dB
- Low noise
- For indoor use only
- Max. output 92dBµV @ 60dB imr
- Fully screened for digital application
- Power 230VAC / 50Hz / 12V / 200mA
- Includes:
 - 1 x Male IEC to 'F' Male adaptor (08MM-A1)
 - 1 x 'F' Male to 'F' Male adaptor (08MM-A7)





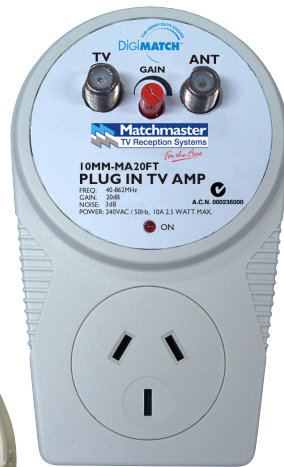
AMPLIFIERS



Amplifier 20dB Gain I-in I-out Plug In **10MM-MA20FT**

Features

- RF shielded internal metal housing
- For indoor use only
- Frequency 40 - 862MHz
- Adjustable Gain 20dB
- Power: 240VAC/50Hz 10A 2.5Watt
- Low Noise 3.5dB
- Max. Output 90dBμV
- Retail hang sell pack
- Built in LED indicator
- Includes: 2 x 'F' Type Male to PAL Female connectors



4 Output Drop Amplifier **10MM-MDR6-4P**

Technical Data

Number of Input	1
Number of Output	4
Frequency Range (MHz)	Forward Path 85-862 Reverse Path 4-65
Gain(dB)	7±2
Insertion loss	-7±2
Noise figure (dB)	≤4
Return Loss (IN & OUT)(dB)	≥10
Isolation (OUT & OUT) (dB)	≥20
MAX output level @-60dB IMD(dBμV)	≥106
DC PASS (INPUT- OUTPUT)	Yes
Main Power Supply(red LED)	12VDC 50Hz/150mA
R.F Shielded	Yes



MASTHEAD AMPLIFIERS QUICK SELECTION GUIDE

Product Code	Description	Max Gain	Gain Control	Input Voltage	Noise Figure	Input Min	Output Max	Power Supply Included
10MM-MA15P	Digimatch Amplifier MEPS Compliant	UHF /VHF 15dB	UHF /VHF 15dB	14VDC	<4dB	35dBμV	102dBμV	Yes
10MM-MA30P	Digimatch Amplifier MEPS Compliant	UHF /VHF 30dB	UHF 30dB VHF B1 - 20dB, B3 - 25dB	14VDC	<5dB	35dBμV	102dBμV	Yes
10MM-MA24UP	Digimatch Amplifier	UHF /VHF 24dB	UHF 14-24dB	14VDC x 2 Inputs	<5dB	35dBμV	102dBμV	Yes
10MM-UA30P	Digimatch Amplifier	UHF /VHF 30dB	UHF 30dB VHF B1 - 20dB, B3 - 25dB	14VDC	<5dB	35dBμV	102dBμV	Yes
10MM-MA30FM	Digimatch Amplifier, Switchable Input Selection	UHF 30dB/ VHF 25dB	UHF 30dB/ VHF 25dB	14VDC	<5dB	35dBμV	102dBμV	No
10MM-J24BF	Wideband single input, Single gain control FM trap	UHF 24dB VHF 24dB	14dB	14VDC x 1 Input	3.5dB	35dBμV	105dBμV	No
10MM-J24BFP	Wideband single input, Single gain control FM trap	UHF 24dB VHF 24dB	14dB	14VDC x 1 Input	3.5dB	35dBμV	105dBμV	Yes
10MM-J25SLN	"A" Class Super Low Noise	UHF 25dB	UHF 10bB - 25dB	14VDC	<1dB			
10MM-J34BF	Wideband separate gain controls, Combined or separate inputs Built in 34dB FM trap	UHF 34dB VHF 28dB	UHF 15dB VHF 15dB	14VDC x 2 Inputs	UHF 2.5dB VHF 3.5dB	35dBμV	105dBμV	No
10MM-J34BFP	Wideband separate gain controls, Combined or separate inputs Built in 34dB FM trap	UHF 34dB VHF 28dB	UHF 15dB VHF 15dB	14VDC x 2 Inputs	UHF 2.5dB VHF 3.5dB	35dBμV	105dBμV	Yes
10MM-J34CF	Wideband separate gain controls, Combined or separate inputs Built in 34dB FM trap , switchable power pass	UHF 34dB VHF 0.5dB	UHF 15dB	14VDC x 2 Inputs	UHF 2.5dB	35dBμV	105dBμV	No
10MM-J34CFP	Wideband separate gain controls, Combined or separate inputs Built in 34dB FM trap , switchable power pass	UHF 34dB VHF 0.5dB	UHF 15dB	14VDC x 2 Inputs	UHF 2.5dB	35dBμV	105dBμV	Yes
10MM-J34GFP	Separate gain controls UHF/VHF+FM	UHF 34dB VHF/FM 28dB	UHF 15dB VHF 20dB	14VDC x 2 Inputs	UHF 2.5dB FM 3.5dB	35dBμV	105dBμV	Yes
10MM-J35BF	Band 3 & UHF with gain controls x 2 Inputs	UHF 35dB VHF 28dB	UHF 15dB VHF 20dB	14VDC x 2 Inputs	UHF 2dB VHF 1.5dB	35dBμV	110dB	No
10MM-J35BFP	Band 3 & UHF with gain controls x 2 Inputs	UHF 35dB VHF 28dB	UHF 15dB VHF 20dB	14VDC x 2 Inputs	UHF 2dB VHF 1.5dB	35dBμV	110dB	Yes
10MM-J40BF	Wideband separate gain controls, combined separate inputs, builtin 34dB FM trap	UHF 40dB VHF 28dB	UHF 15dB VHF 15dB	14VDC x 2 Inputs	UHF 1.5 - 2dB VHF 2 - 2.5dB	35dBμV	105dBμV	No
10MM-J40BFP	Wideband separate gain controls, combined separate inputs, builtin 34dB FM trap	UHF 40dB VHF 28dB	UHF 15dB VHF 15dB	14VDC x 2 Inputs	UHF 1.5 - 2dB VHF 2 - 2.5dB	35dBμV	105dBμV	Yes
10MM-J40CF	UHF Only Single gain control	UHF 40dB VHF 0.5dB	UHF 15dB	14VDC	UHF 1.5 - 2dB	30dBμV	112dBμV	No
10MM-J40DF	Wideband separate gain controls, built in 34dB FM trap	UHF 28dB VHF 40dB	UHF 15dB VHF 15dB	14VDC x 2 Inputs	UHF 2.5 - 3.5dB VHF 1.5 - 2dB	30dBμV	112dBμV	No



DISTRIBUTION AMPLIFIERS

House Distribution Amplifier 30dB Gain Terra

10MM-HA024R30



Features

- Compact and reliable amplifier, great for adding extra points to an indoor area.
- Switchable internal amplifier section allowing it to switch effortlessly between low and medium gain performance. This allows the gain of the amplifier to be reduced without degrading the quality of the signal being amplified.
- Variable slope and gain control built-in, providing even greater adjustment.
- Locally powered using 240V mains power.
- 'F' Connectors on all ports.
- External test port.
- Passive return path built-in.

Technical Data

Frequency Range	47 – 862 MHz
Gain*	18-20/27-30dB (fixed slope pre correction) switchable
Gain Adjustment	17dB
Slope Adjustment	17dB
Flatness*	±0.75dB
Input & Output	>14dB at 40 MHz;
Return Loss	-1.5 dB/oct, but not less 10dB
Output level CTB, CSO (EN50083-3)	97 dBµV
Test Point	-30 dB bi directional
Noise Figure	8.5dB
Power	230V ~ 50 Hz
Consumption	3.5W
Operating Temp. range	-20 °C ÷ +50° C
Power	133x73x39mm
Consumption	0.36kg
Dimensions/Weight	80 x 27 x 16

Distribution Amplifier 32dB

10MM-DMA32



Features

The amplifier is designed to meet the 'CE' standard. It is fully screened to the specifications below and exhibits a 2 channel output of 113dBµV (VHF) 108dBµV (UHF) at 60dB IMR. It is SMD, with 'F' Connectors.

Technical Data

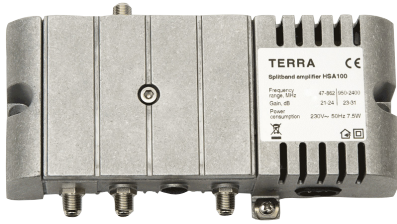
Frequency Range	40-862MHz
No. of Inputs	1 'F' Type
No. of Outputs	1 'F' Type
Gain	32 ± 2dB
Return Loss (Input)	10dB
(Output)	10dB
Noise Figure	4.5dB
Gain Adjust VHF	0 - 22dB, 17 - 32dB
Max Output at 35IMR	113dBµV
Screening	VHF > 75dB UHF > 65dB
Input/Output Imped.	75Ω
Power Source	240V 50Hz
Power	6W
Consumption	
Dimensions (mm)	102 x 138 x 48



AMPLIFIERS

Split Band Amplifier

10MM-HSA100



* Terrestrial gain, slope, adjustment and return path are not available at passive terrestrial TV mode

Satellite IF Amplifier with Active/Passive Terrestrial TV Path, Switchable

Features

- Amplifies both Satellite and Terrestrial services
- Terrestrial stage can be switched to passive if it is not needed
- DC power pass through, allows power to be passed to an LNB or masthead amplifier
- Independent gain and slope adjustment available for both satellite and terrestrial bands.
- Ventilated power-supply section allowing for greater heat dissipation and a longer MTBF when compared to other amplifiers.
- Solid die-cast housing

Technical Data

Forward Path	
Frequency Range SAT IF	950 – 2400 MHz
Frequency Range TERR TV	47-862 MHz
Gain SAT IF	17dB
Gain TERR TV	17dB
Gain Adjustment SAT IF	±0.75dB
Gain Adjustment TERR TV*	>14dB at 40 MHz; -1.5 dB/oct, but not less 10dB
Slope Adjustment SAT IF	97 dBµV
Slope Adjustment TERR TV*	-30 dB bi directional
Input & Output return loss SAT IF	8.5dB
Input & Output return loss TERR TV	230V ~ 50 Hz 3.5W
Max output level IMD3=60dB (DIN45004B) TERR TV	-20 °C ÷ +50° C
Noise Figure SAT IF	133x73x39mm 0.36kg
Noise Figure TERR TV	80 x 27 x 16
General	
Mains power consumption	230V ~ 50Hz 7.5W
Temperature Range	20°C - 50°C
Dimensions mm	185x91x47
Weight kg	0.7

Distribution Amplifier 40dB UHF/VHF Terrestrial with MEPS Compliant & Power Supply

10MM-DMA42



Features

- Switchable inputs for UHF & VHF or U/V
- Separate gain controls for Band 1 & FM, Band 3 & UHF
- Metal casing for excellent heat dissipation

Technical Data

Frequency Range	45-862MHz
No. of Inputs	2 'F' Type
No. of Outputs	1 'F' Type
Gain	UHF 40dB VHF 33dB
Return Loss (Input)	>10dB
Return Loss (Output)	>10dB
Noise Figure	<8dB
Gain Adjust VHF	15dB
Max Output	60dBIMR 115dBµV (2 Ch) 35IMR 103dBµV (Cenelec 42Ch)
Screening	VHF > 75dB UHF > 65dB
Input/Output Imped.	75Ω
Power Source	14 - 18VDC
Power Consumption	200mA
Dimensions (mm)	115 x 87 x 27



POWER SUPPLIES

Power Supply 14V DC 'F' Type

10MM-PSD14



Features

- Reduces protrusion
- Environmentally smart
 - MEPS and RoHS compliant
 - Male 'F' type connection

F TYPE

Power Supply 14V DC PAL Type

10MM-PSD14P



Features

- Environmentally smart
 - MEPS and RoHS compliant
 - PAL Design

PAL TYPE



Satellite Amplifier 18dB Inline 950-2050MHz **10MM-SA18**



Features

- The Satellite Amplifier is a fully screened remote powered device which will work in a voltage range of 12-18V DC.
- Maximum output of 105dB μ V at 35dB IMR.
- 950 - 2050MHz
- Passes both DC and 22KHz

Technical Data

Frequency Range	950-2050MHz
No. of Inputs	1 'F' Type
No. of Outputs	1 'F' Type
Gain	18 \pm 1.5dB
Return Loss (Input)	5dB
Return Loss (Output)	4dB
Noise Figure	5dB
Gain Adjust VHF	13 - 20dB
Max Output at 35IMR	105dB μ V
Screening	VHF > 75dB UHF > 65dB
Input/Output Imped.	75 Ω
Power Source	15VDC \pm 3
Power Consumption	1W
Dimensions (mm)	80 x 27 x 16

MODULATORS



All models feature

- Frequency agile double sideband multi standard TV Modulators
- Simple 2 button control
- Non volatile channel memory
- PLL crystal stabilization of carriers frequency
- Built-in Test Pattern Generator (TPG) for Video & Audio
- Die-cast housing inside plastic case
- Built in power supply
- Adjustable audio input level and RF output level
- Protection from unauthorized access
- Low loss loop through RF combining
- Connectors: Video/Audio - RCA sockets - RF - 'F' female

Modulator Terra DSB Mono 85 dB μ V **10MM-MT47**



Technical Data

RF Output Level (typical)	85 dB μ V
Level Adjustment	0 \pm -20dB
Frequency Range*SC	170-300 MHz, 470-862 MHz
Combining through loss Terr/SAT	1.5dB/2.5dB
Frequency Range of RF Combining	5-2150 MHz
Signal/Noise Ratio	\geq 55 dB
Power Consumption	230V~50Hz 2.5W
Operating Temp.	-10deg C \pm + 50deg C
Dimensions (mm)	133x63x39
Weight	0.36kg

Modulator Terra DSB Stereo 85 dB μ V **10MM-MT57**



Technical Data

RF Output Level (typical)	85 \pm 3dB μ V
Level Adjustment	0 \pm -20dB
Frequency Range*SC	170-300 MHz, 470-862 MHz
Combining through loss Terr/SAT	1.5dB/2.5dB
Frequency Range of RF Combining	5-2150 MHz
Signal/Noise Ratio	\geq 55 dB
Power Consumption	230V~50Hz 2.5W
Operating Temp.	-10deg C \pm + 40deg C
Dimensions (mm)	133x63x39
Weight	0.36kg



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