

Amplifiers

MASTHEAD AMPLIFIERS & ASSOCIATED EQUIPMENT

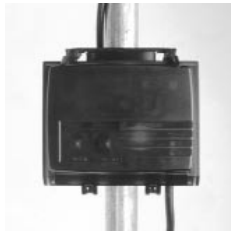
A Series

Designed for use in areas where signals are weak and require boosting. Mast head Amplifiers may be used in domestic situations or prior to a head-end in MATV/CATV systems. There are six models in the range of A series amplifiers, designed to cover the widest possible variety of applications in both UHF and VHF frequency bands.

OPEN UNIT



CLOSED UNIT



Features

- Surface mount technology
- Very low noise
- High gain with ultra wide band performance
- High output
- Good Impedance matching
- Built in lightning static protection
- In built filter rejects cellular telephone interference
- Filter options to reduce some unwanted frequencies
- Gold plated internal links to ensure reliable contacts
- UV Stable, weatherproof plastic housing
- Suitable for 12V DC powering (eg. caravan or boat) or range of AC voltages
- Optional through powering versions
- Selectable FM rejection
- Power indicated LED
- Adjustable gain, separate adjustment for VHF & UHF bands

Specifications

				Gain dB	
				VHF	UHF
FC658016	A2A	Wide band VHF 45-230MHz, UHF 520-820MHz	Use with 2 separate or 1 combined UHF/VHF antenna	25	32
FC658017	AVA	VHF only 45-230MHz	Use with 1 VHF antenna	30	–
FC658018	AUA	UHF only 470-820MHz	Use with 1 UHF antenna	–	32
FC658019	AVPU	Amplify VHF Pass UHF	Use with separate or 1 combined antenna	30	7
FC658020	AUPV	Amplify UHF Pass VHF	Use with separate or 1 combined antenna	3	32
FC658048	A3PU	Amplify Band 3 174-230MHz pass UHF	Use with separate or 1 combined antenna	30	9

Standard VHF Plug-in Filter Options

Description	Freq. MHz	Pass/Rej/Att	Product Number
Band 3	174-222	Reject (Band 1-40dB)	FC658022
Band 3 Low	174-208	Reject (Band 1-40dB)	FC658021
Pager	148-150	Reject (-50dB)	FC658023
FM	88-108	Reject (-45dB with on board "FM REJ" Link in "on" Position)	FC658053
FM Low	88-98	Reject (-35dB)	FC658052
FM High	98-108	Reject (-40dB)	FC658051
CH2	63-70	12dB Attenuation	FC658055

Power Supply Unit

The 'A' Series Masthead Amplifiers may be used with many standard Power Supply units providing 15-26VAC at 90mA. A 12VDC supply may be used, but the unit will drop slightly in Gain (app. 3dB), but will have a slightly improved Noise Figure.

PSU1

Power Input: 240VAC 50Hz
Power Output: 26VAC 50Hz
Output Current: 70mA max

FC606202



PSU-2c

Unit with standard mains cord.
Input 200-250VAC: 1.6 Watts
Output (Under load) 15.5VAC: 90mA

FC658024



PSU3

Power Input: 240VAC 50Hz
Power Output: 15VAC 50Hz
Output Current: 100mA max

FCBC87190



PSU2

Plug-in unit for standard mains socket.
Input 200-250VAC: 1.6 Watts
Output (Under load) 15.5VAC: 90mA