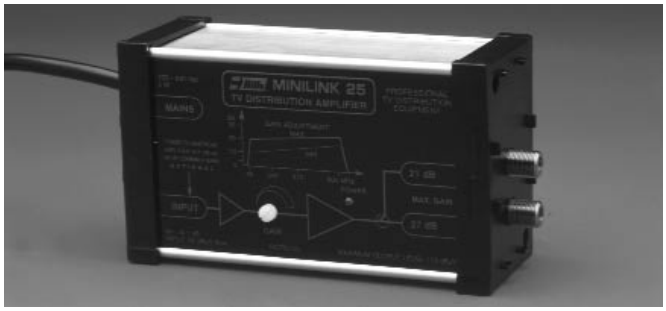
DISTRIBUTION AMPLIFIERS AND ASSOCIATED EQUIPMENT

Minilink 25

Minilink 25 **FC658112A**
Minilink 25 F Type **FC688112F**

The Minilink has been designed to provide adequate gain and output signal for use in small to medium sized projects. The Minilink 25 features a unique positive 6 dB slope. This slope increase to 8 dB by use of the level control, as the gain is adjusted to minimum.



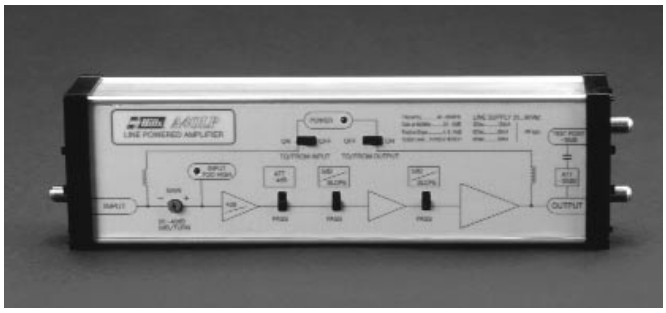
Specifications

Channel coverage		0-69
Frequency range MHz		40 to 860 MHz
Gain – Adjusted to max		VHF 24 dB UHF 28 dB
Gain -Adjusted to min		VHF 14 dB UHF 21 dB
Gain adjustment		Variable 0 to 7 dB
RLR Input & Output		Typically 10 dB
Noise figure		<4.2 dB
Output level		VHF 113 dBµV UHF 110 dBµV
Power consumption		220-240V / 2 watts
Dimensions	(unit) (packaged)	140mm x 80mm x 53mm 310mm x 100mm x 70mm
Weight	(packaged)	0.632Kg

Multilink Professional CATV Wide-band Amplifiers

40LP Line Powered Unit **FC658109**

These units are wide-band and provide amplification for all VHF, Hyperband 'S' and UHF channels between 45 and 860 MHZ. With built in adjustable slope across all spectrum 40-860 MHz and multi-channel capability, they may be used in many applications, especially as line repeaters.



Features

- Mains powered or line powered versions.
- High Gain: 42 dB adjustable.
- Slope control adjustable.
- High Output capability: 101 dBuV with 50 channels.
- Continuous coverage 40 – 860 MHz.
- Dedicated GaAs high linearity circuitry.
- RF -30 dB test point (isolated from AC power).
- The 40LP model may be powered from either the input or output coax socket and allows power to pass through to next amplifier.

Specifications

Frequency Range		40-860MHz
Gain		40dB (Typically @ 860MHz) (45dB for Multilink 45)
Gain Control	Input Mid Stage	0-20dB 0-4dB. this Mid Stage adjustment helps optimise signal / noise ratio.
Output Level		101dBuV (50 channels)
Noise Figure		typically 4.5dB @ 660 MHz
Power requirements		
	40MP& 45MP 40LP	170-240 VAC, 4 Watts 42-70 VAC, 3.5 Watts
Dimensions	unit packaged	285 x 80 x 53 mm 310 x 100 x 70 mm
Weight	40MP 40LP	950 g 680 g

DISTRIBUTION AMPLIFIERS AND ASSOCIATED EQUIPMENT

Maxilink 35

Maxilink 35 **FC658002**
Maxilink 35 F Type **FC658002F**

Like the Minilink this unit is intended for use as a distribution amplifier in medium sized MATV systems. However, it has a number of additional features:

- Choice of one input or separate VHF & UHF inputs. A switch permits use of this function.
- Independent gain controls for VHF and UHF – these function whether one or both inputs are used.
- Higher Output Capability.

Specifications

Frequency range MHz		45 – 860 MHz
Gain	VHF	33dB
	UHF	36dB
Gain adjustment	VHF	-10dB
	UHF	-8dB
Noise figure	<5dB	
Output levels	2 channels VHF	117dBµV
	2 channels UHF	115dBµV
	6 channels UHF/VHF	110dBµV
RLR input & Output		<8dB
Power consumption		220-240 VAC, 2 watts
Dimensions	(unit)	140mm x 80mm x 53mm
	(packaged)	310mm x 100mm x 70mm
Weight	(packaged)	0.632Kg

Maxilink 40

Maxilink 40 **FC658005**

A Broadband Distribution Amplifier designed to drive medium to large MATV systems. Split band circuitry permits high gain and high output in a multi channel situation.

- All coaxial sockets are F Type
- 3 separate input sockets for VHF low, VHF high and UHF band
- Switches permit use of combined single input, two inputs (VHF / UHF) or all three inputs simultaneously.
- Separate gain controls allow balancing of levels of all 3 bands
- Convenient -30dB output test point.
- Overload LED indicator to warn of excessively high input signal
- Built in filter reduces all signals of 30MHz and below

Line Power Source Unit LPSU55 **FC658098**

The Multilink 40LP may be powered via the coaxial cable input or output at any AC voltage from 42 to 70 V. Hills LPSU55 is designed to meet this need.

- Short circuit and overload protected.
- AC output short / overload indicator.
- Available for mains voltages between 170 & 240 AC. Specify required mains voltage when ordering.
- Up to 6 x 40LP units may be powered from one LPSU.
- Incorporates an RF loop with power injector, which permits power to enter from the input or output coax socket and allows power to pass through to next amplifier.
- RF -30 dB test point (isolated from AC power).

Specifications

Channel coverage		0-69
Frequency range MHz		45 – 860 MHz
Gain		40dB
Gain adjustment		
	Input VHF low (45-150MHz)	12dB
	Input VHF high (170-250MHz)	10dB
	Input UHF (470-820MHz)	10dB
Noise figure	<5dB	
Output levels	2 channels VHF	120dBµV
	2 channels UHF	116dBµV
	9 channels UHF/VHF	110dBµV
Test point		-30dB to output
RLR input & output		<8dB
Power consumption		220-240 VAC, 4 watts
Dimensions	(unit)	140mm x 80mm x 53mm
	(packaged)	310mm x 100mm x 70mm
Weight	(packaged)	0.632Kg