

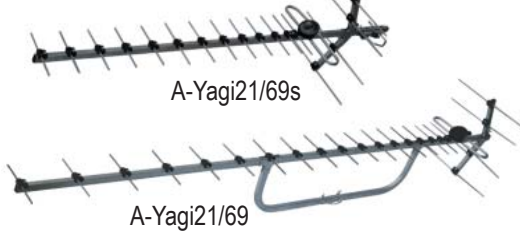
TV ANTENNAS & RF AMPLIFIERS

Metro Combination, Easy Fold Out - No Bolt Assembly, F-Type Balun, Heavy Duty Construction with 12mm Extruded Aluminium Reflectors



| | A-AHD15 | A-AHD20 |
|---------------------|--------------------------|--------------------------|
| Description | VHF/UHF Combo 15 Element | VHF/UHF Combo 20 Element |
| Channels | VHF 2-12 UHF 28-40 | VHF 2-12 UHF 28-40 |
| Gain | 5-10dB | 5-12dB |
| Front to Back Ratio | >19dB | >17dB |
| Horz Beam Width | 68° | 65° |

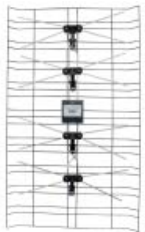
UHF Only YAGI Antenna, Easy Fold Out Assembly, F-Type Balun, Rigid Construction



| | A-Yagi21/69s | A-Yagi21/69 |
|---------------------|---------------------|---------------------|
| Description | UHF Yagi 18 Element | UHF Yagi 23 Element |
| Channels | UHF 28-69 | UHF 28-69 |
| Gain | 12dB | 15dB |
| Front to Back Ratio | >18dB | >30dB |
| Horz Beam Width | 38° | 25° |

Phased Array UHF Antenna, 4 & 8 Element

| | A-PhAr21/69s | A-PhAr21/69 |
|---------------------|--------------|--------------|
| Description | Phased Array | Phased Array |
| Channels | UHF 21-69 | UHF 21-69 |
| Gain | 8 - 11 dB | 10 - 12 dB |
| Front to Back Ratio | 18 dB | 22 dB |
| Horz Beam Width | 35° | 32° |



VHF Only YAGI Antenna, Easy Fold Out Assembly, Saddle & Screw Balun, Rigid Construction



| | A-VHF8E | A-VHF10E |
|---------------------|--------------------|---------------------|
| Description | VHF Yagi 8 Element | VHF Yagi 10 Element |
| Channels | VHF 6-12 | VHF 6-12 |
| Gain | 7-9.5dB | 7-11.5dB |
| Front to Back Ratio | >22dB | >24dB |
| Horz Beam Width | 47° | 45° |

A-LogV/U

| Description | Log Periodic |
|-------------|----------------------|
| Channels | VHF 2-12 UHF 28 - 69 |
| Gain | 5 - 9 dB |
| F/B Ratio | >16 - >27 dB |

VHF/ UHF Log Periodic Antenna (with analogue ch. 2 elements)

| Model | Frequency | Max Gain | Gain Adjustment | FM Trap | Pager Trap | Output Level | Noise Figure | Power |
|-------------|--|--|------------------------|--------------------------|--------------------|--------------|------------------------------|--|
| A-MH35/18WF | VHF: 44 - 230 MHz UHF: 520- 820 MHz | VHF B1 15 dB VHFB3 21 dB UHF 35 dB | VHF 10 dB UHF 15 dB | -30 dB @ 88 - 108 MHz | 25 dB @ 148 MHz | 101 dBµV | VHF < 1.5 dB UHF < 3 dB | 12 - 22 VDC @ 70 mA 12 - 22 VDC @ 70 mA |
| A-MH24/18WF | VHF: 44 - 230 MHz UHF: 520- 820 MHz | VHF B1 15 dB VHFB3 21 dB UHF 24 dB | VHF 10 dB UHF 15 dB | -30 dB @ 88 - 108 MHz | 25 dB @ 148 MHz | 101 dBµV | VHF < 1.5 dB UHF < 2.5 dB | 12 - 22 VDC @ 60 mA 12 - 22 VDC @ 60 mA |
| A-MH35U/VF | VHF: 44 - 230 MHz UHF: 520- 820 MHz | VHF < -1 dB UHF 24 dB | VHF -10dB UHF 15 dB | -30 dB @ 88 - 108 MHz | 25 dB @ 148 MHz | 101 dBµV | VHF < 0.5 dB UHF < 2.5 dB | 12 - 22 VDC @ 45 mA 12 - 22 VDC @ 45 mA |
| A-MH24U/VF | VHF: 44 - 230 MHz UHF: 520- 820 MHz | VHF < -1 dB UHF 35 dB | VHF -10dB UHF 15 dB | -30 dB @ 88 - 108 MHz | 25 dB @ 148 MHz | 101 dBµV | VHF < 0.5 dB UHF < 3 dB | 12 - 22 VDC @ 50 mA 12 - 22 VDC @ 50 mA |

Masthead Amplifiers



- Fully Shielded (Metal Housing)
- F Type Connectors to ensure secure connection and sufficient shielding
- Easy, accessible and durable external weatherproof housing
- Galvanised U-Bolt for mounting the Amplifier and the Housing to the Mast
- Separate and/or Combined Input - Selectable via Jumper Link
- FM Trap - Selectable via Jumper Link

- Double Sided Fibreglass PCB with SMD Technology ensuring long life and dampness resistance
- A clearly visible LED - Indicates the operating status of the unit, on/off
- Powerable via Remote Power Supply - 12 Volt DC to 22 Volt AC
- Independent Gain Controls for UHF and Band 1 and VHF for accurate adjustment of the Signal Levels

A-AmpSplit

1 Input / 2 Output Set Back Amplifier
Output 1: 2 dB Gain
Output 2: 20 dB Gain
Separate Adjustment for UHF / VHF
Mains Powered



| RF Amplifiers | A-HNF30URP | A-HLV40/30FPE |
|------------------------|--------------------------------|--------------------------|
| Gain | + 30 dB or + 20 dB | + 30 |
| Maximum Output Level | 108 dB | 113 dB |
| Noise Figure | < 7 dB | < 7 dB |
| Level Adjusting Range | 0...12 dB | 0...12 dB |
| Slope Correction Range | 0...-15 dB | 0...-16 dB |
| Power Consumption | < 7 W | 13 W max. |
| Remote Powering | 15 ~ 20V / 210mA | 15V / 185mA |
| Number of Inputs | 1 x Terr. RF 1 Remote Power | 1 x Terr. RF 1 x Test |
| Number of Outputs | 1 x Terr. RF | 1 x Terr. RF 1 x Test |
| Dimensions (mm) | 120 x 74 x 38 | 240 x 122 x 52 |



A-HNF30URP



A-HLV40/30FPE