

Datasheet

Vision Gold Masthead Amplifiers

Single Input / Four Outputs

V20-4260L

4-Way 20dB Variable Gain Masthead Amplifier Ch21-60



- Ultra low noise figure <1.4dB & super flat gain response ± 0.5 dB
- Low power consumption, 5V to 12V DC working
- Fully screened with gold plated F-connectors for superior connectivity
- SMD technology with compartmentalised screening for high performance
- Accepts "type 125" coaxial cables and connectors for extra long cable runs
- High quality ventilated weatherproof PE housing (IP53 rated)
- Designed and built in the UK
- Masthead amplifier and PSU kits available



Vision New Gold masthead amplifiers are industry leading designs for amplifying very weak digital TV signals. Models V20-4260L has additional filtering to minimise the effects of 4g-LTE interference where this would cause overload in traditional masthead amplifiers. The V20-4260L employs a "mid-stage" 12dB level control which minimises noise to the weak incoming TV signal yet allows full level control.

V20-1360L, V20-2760L and V20-4260L are designed and built by Vision in the UK, for UK conditions and frequencies.

When amplifying weak digital signals, amplifier noise figure (N/F) is critical. The noise of the amplifier will be added to the noise of the incoming weak signal. The lower the amplifier Noise Figure, the weaker the digital signal that can be reliably amplified. So these very low noise amplifiers will work where others fail. Vision designed these amplifiers using the latest semiconductors and SMD technology for industry leading low noise figures and reliability.

Model	V20-4260L
Input Frequency	470-790MHz
No of Inputs	1
No of Outputs	4
Gain	20dB (8-20dB)
Gain Flatness (unused outputs terminated at 75 Ω)	± 0.5 dB
Interstage Level Adjustment	0-12dB
Maximum Output Level*	95dB μ V
Maximum Input Level**	88dB μ V
Noise Figure	<1.4 dB
Filter Rejection	400MHz -36dB / 820MHz -27dB
DC Power	5V to 12V
Power Consumption	75mA
Connector	Gold plated F-female
Fixing	Nylon-tie up to 60mm masts / or bulkhead screw fixing
Dimension Housing / Weight	100mm x 84mm x 56mm / 154g
Bulk Packing / weight	Packs of 10 shrink-wrapped 1.58kg
DC Power Supply when purchased as a kit	V23-2102G 12V 100mA with short circuit and overload protection
RoHS Compliance	RoHS compliant. Intended for professional fixed installation only
*Maximum Output EN50083-3 (IMD ₃ -60)	**Maximum input level quoted with attenuator set to maximum -12dB