

Datasheet

- V5-100T Mains Powered SAT/TERR Amplifier & PSU
- V5-101T Line Powered SAT/TERR Amplifier
- V5-200T Mains Powered SAT/TERR High Gain Amplifier & PSU

- § Head-end and trunk amplifiers for 4 x SAT + Terrestrial with colour coded inputs/outputs
- § 18V DC to power LNB and V5 network (switchable) up to 2.0A (V5-100T and V5-200T)
- § 12V DC to power terrestrial masthead pre-amplifier (switchable) 12V 100mA
- § Interstage level controls on SAT and Terrestrial inputs
- § Slope control on Terrestrial input
- § Earth bonding post
- § Switch-mode-power-supply (V5-100T and V5-200T)
- § 2.0A DC pass via H Hi, H Lo lines (switchable)
- § LED indicators for power status and short circuit / overload diagnostics



Model	V5-100T	V5-101T	V5-200T	
No. and frequency range of inputs/outputs	4 x SAT (950-2400MHz) + 1 Terr (47-862MHz)			
Gain (Adjustable -10dB)	SAT	15-22dB Max	28-33dB Max	
Gain (Adjustable -20dB)	Terr	17dB Max	32dB Max	
Slope (fixed pre-emphasis)	SAT	7dB	5dB	
Slope (Adjustable)	Terr	0 to -15dB		
Isolation	SAT / SAT	30dB		
	SAT / Terr	30dB		
Noise figure (typical)	≤9dB			
Max output Terr DIN45004B (-60 IMD ₃)	112dBμV		116dBμV	
Max output SAT EN50083-3 (-35 IMD ₃)	114dBμV		116dBμV	
External powering	Through V lines	14V / 0.6A max	N/A	14V / 0.6A max
	Through H lines	18V / 2A max (switchable)	N/A	18V / 2A max (switchable)
	Through Terr Input	12V / 0.1A max (switchable)	N/A	12V / 0.1A max (switchable)
DC pass through on H lines	2.0A max (switchable)			
Power consumption	230V AC / 50Hz / 7W (57W fully loaded)	9-18V DC / 4W	230V AC / 50Hz / 8W (58W fully loaded)	
Operating Temperature	-20°C to + 50°C			
Dimensions & Weight	227 x 128 x 53mm 0.8kg	170 x 128 x 53mm 0.53kg	227 x 128 x 53mm 0.8kg	
Packing	Individual carton, outer of 10pcs.			

In the interests of continued product development & improvement, Vision Products (Europe) Ltd reserves the right to change product specifications, design & dimensions. Data correct at time of going to press 08/09/2008.