

## Datasheet

### V26 – Taps MATV diecast 5 – 862MHz

- A range of high quality MATV directional inductive taps for terrestrial TV and radio
- High quality, fully screened, die-cast construction
- Low insertion-loss directional inductive devices
- High signal isolation between outputs and tapped outputs
- DC Pass via trunk line. Ideal to remote power small systems where pre-amplifier is necessary
- Available in 2-way, 4-way and 8-way models
- Integrated 7mm<sup>2</sup> earth-post and "cable-bridge" design for tidy installation



Digital TV switchover will make many new demands on the integrity of MATV systems for reliable performance. With many MATV systems installed many years ago, particularly in hotels and large institutions, often the cable is still in good condition but many taps will have degraded and are original unscreened devices.

Fitting new taps and headend equipment can re-vitalise the system to carry digital TV and radio signals across the network for high quality multi-channel reception.

Vision V26-Taps have been designed for system upgrade in a wide range to satisfy all requirements and system demands. All models are fully screened for signal protection, have high performance with minimum through (trunk) loss and high directional isolation. Each model incorporates a "cable-bridge" for neater installation and a 7mm<sup>2</sup> earth post for safety.

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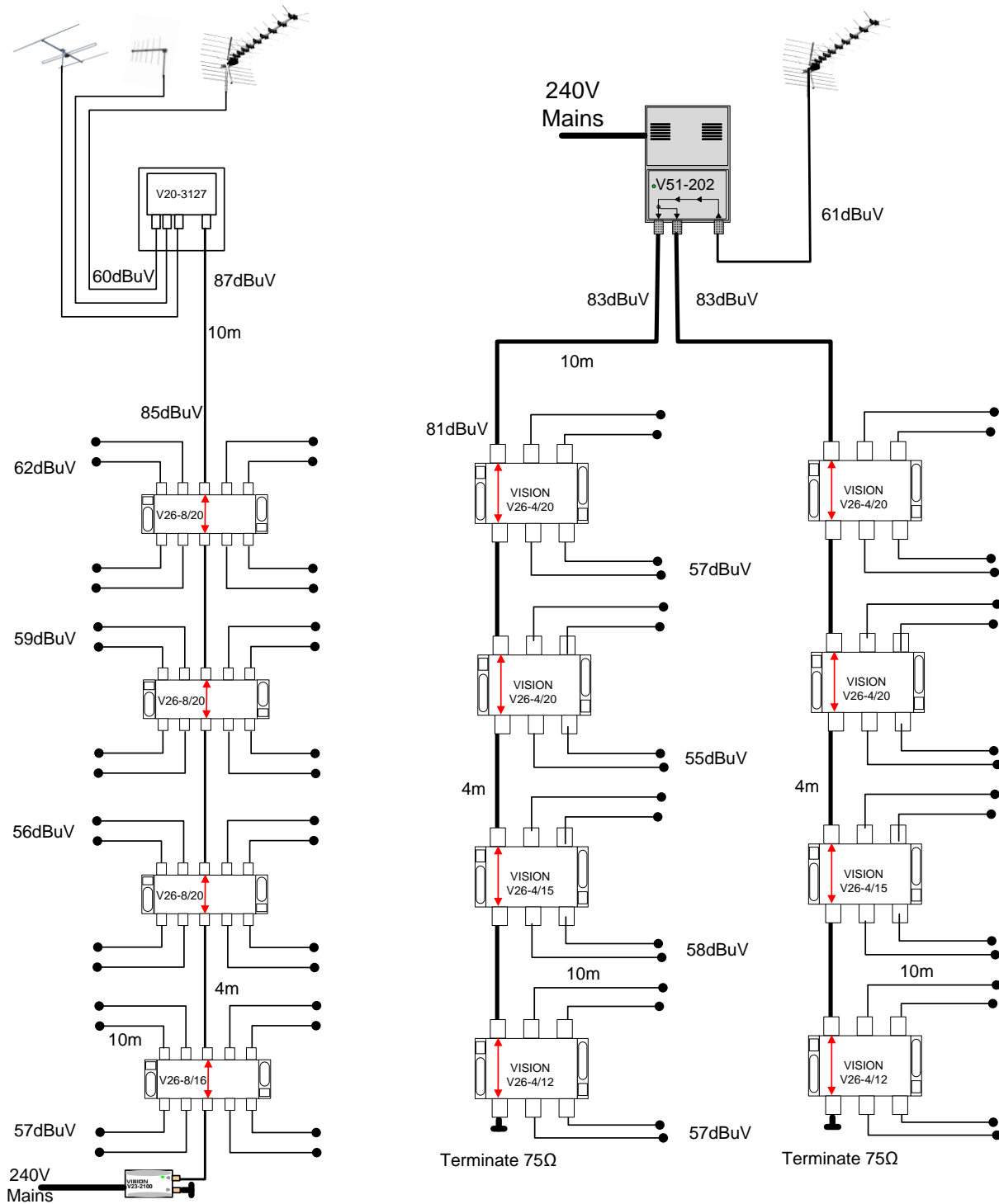
### V26 – Taps continued

Model	V26-2/10	V26-2/15	V26-2/20	V26-2/25	V26-2/30
Description	2-way -10dB Tap	2-way -15dB Tap	2-way -20dB Tap	2-way -25dB Tap	2-way -30dB Tap
Insertion / through loss 5-1000MHz	3.0dB ±0.2	2.2dB ±0.2	1.2dB ± 0.2	1.1dB ±0.2	1.0dB ± 0.2
Trunk return loss	>14dB				
Tap loss 5-1000MHz	10.0dB ±0.5	12.0dB ±0.5	20dB ±0.5	25dB ±0.5	30dB ±0.5
Tap return loss	>18dB typical				
Isolation Tap to Output	>30dB typical				
Isolation Tap to Tap	>30dB typical				
Dimension (inc fixings and connectors)	77 x 47 x 24mm				
Model	V26-4/12	V26-4/15	V26-4/20	V26-4/25	V26-4/30
Description	4-way -12dB Tap	4-way -15dB Tap	4-way -20dB Tap	4-way -25dB Tap	4-way -30dB Tap
Insertion / through loss 5-1000MHz	3.5dB±0.2	2.7dB±0.2	1.0dB ±0.2	0.9dB ±0.2	0.8dB ±0.2
Trunk return loss	>14dB				
Tap loss 5-1000MHz	12.0dB ±0.5	15.0dB ±0.5	20dB ±0.5	25dB ±0.5	30dB ±0.5
Tap return loss	>18dB typical				
Isolation Tap to Output	>30dB typical				
Isolation Tap to Tap	>30dB typical				
Dimension (inc fixings and connectors)	77 x 62 x 24mm				
Model		V26-8/16	V26-8/20	V26-8/25	V26-8/30
Description		8-way -16dB Tap	8-way -20dB Tap	8-way -25dB Tap	8-way -30dB Tap
Insertion / through loss 5-1000MHz		3.5dB ±0.5	1.8 dB±0.5	0.5dB ±0.5	0.5dB ±0.5
Trunk return loss		>14dB			
Tap loss 5-1000MHz		16dB±0.5	20dB±0.5	25dB±0.5	30dB±0.5
Tap return loss		>18dB typical			
Isolation Tap to Output		>30dB typical			
Isolation Tap to Tap		>34dB typical			
Dimension (inc fixings and connectors)		121 x 62 x 24mm			
General					
Screening factor	105dB				
Connectors	F female				
DC Pass	Bi-Directional between input and output (1.0A Max)				
Construction	Diecast screened housing with fixing holes and earth-post				

We recommend always terminating all unused ports with an F male terminator at 75Ω. Use V17-007 or V17-008 where DC is present.

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### V26 – Taps continued



*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 21/03/2011 E&OE © 2011 Vision Products (Europe) Ltd.*