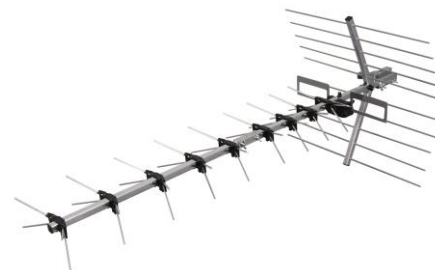
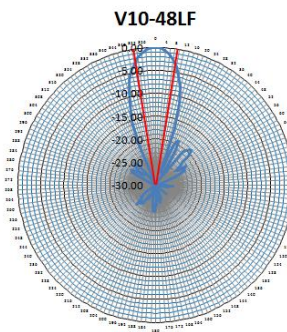
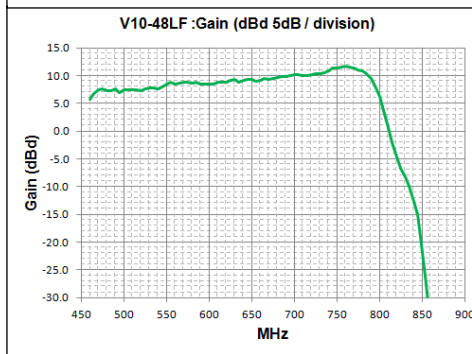
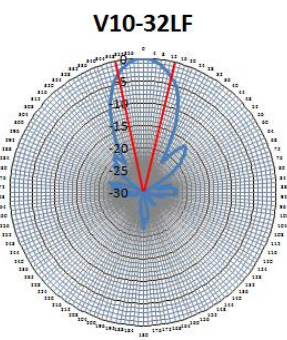
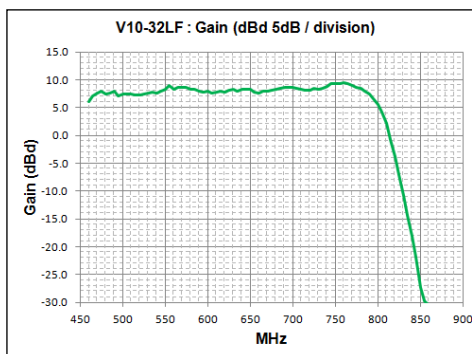


Datasheet

V10-48LF 4G-800 48 Element UHF High Gain Aerial for Digital TV
V10-32LF 4G-800 32 Element UHF High Gain Aerial for Digital TV

- Tuned 470-790MHz (Ch21 – 60) and filtered to reject 4G-800,
- High Gain and Directivity with large reflector
- Wire elements for low wind-loading,
- 18mm boom section for strength and rigidity
- F-Connector Supermatch balun
- Part pre-assembled for "No-tools" assembly.



Model	V10-32LF	V10-48LF
Total no of Elements	32 inc resonator, dipole, directors reflector	48 inc resonator, dipole, directors reflector
No of Directors	5 bays of 4	9 bays of 4
Reflector Elements	10	10
Balun	Vision Printed Circuit Supermatch Balun with 4G-800 filter	
Junction Box	F female connector mounted on pcb balun in clamshell ventilated weather-proof ABS moulding with cable entry grommet	
Forward Gain (peak)	9.5dBd (11.65dBi)	11.7dBd / 13.85dBi
Frequency range	Wideband 470 - 790MHz : UHF Ch21 – 60 : Stop-band 791 -900MHz	
Gain at 4G-800 LTE band measured at 830MHz	-10dB : (-19.0dB lower than Ch60)	-9dB (-19.0dB lower than Ch60)
Acceptance Angle (1/2 power beam-width -3dB)	±13° at 790MHz ±19° at 630MHz	±9° at 790MHz ±15° at 630MHz
Front / Back Ratio at 630MHz (mid-band)	>25dB	>26dB
Cross Polar Rejection (typical)	>-20dB	
Weight kg	1.0	1.6
Wind Load @ 100kph	5.4kg (48.5N)	6.5kg (58.5N)
Dimension L x W x H	680mm x 550mm x 480mm	1260mm x 550mm x 480mm
Boom sizes	18mm x 18mm aluminium central & reflector boom. 2 piece boom with steel coupler on V10-48LF	
Element material	5mm reflector & 4mm directors dia aluminium wire	
Construction Material	Magnesium aluminium alloy for high strength & corrosion resistance	
Finish	Cleaned, bright and polished aluminium	
Clamp	Fixed clamp Heavy Duty Galvanised Steel up to 60mm (2¼")	Tilt Clamp 0-15° Heavy Duty Galvanised Steel up to 60mm (2¼")
Packaging	Individual carton 680mm x 305mm x 95mm Outer carton contains 5 pieces	

In the interests of continued product development & improvement, Vision Products (Europe) Ltd reserves the right to change product specifications, design & dimensions without notice. Data correct at time of going to press:08/04/2013 E&OE

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