

Di@na G 69 Series

Rhombus shape antenna that provides a superior response in the UHF band.

APPLICATION

Specifically designed for Digital and Analogue Terrestrial TV installations.

CHARACTERISTICS

- Pre-assembled for easy set-up.
- The reflector and dipole have been designed for a higher front-to-back ratio.
- Long-life antenna due to its aluminium and "luran" plastic construction.
- Ergonomic design for a tool-free installation.
- Suitable for horizontally or vertically polarised channels, maintaining its water-resistance in any position.
- It has an "F" connector with protection cover.
- In case of low coverage areas, it allows to incorporate the **@ktive**, a dipole that improves the antenna factor of merit in the installation (included in ref. 84386 and 84387).

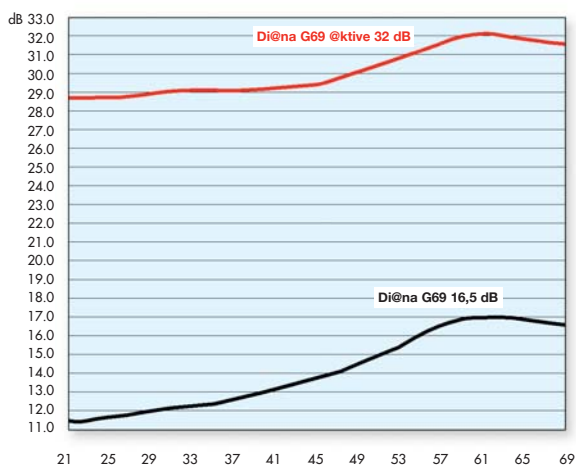


SIGNAL RECEPTION

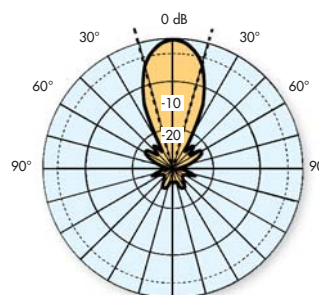
MODEL		Di@na G69	Di@na G69 6U	Di@na G69 @ktive	Di@na G69 @ktive 6U
Reference		84375	84377	84387	84386
Channels		21 ... 69			
Gain	dB	16,5		32	
Impedance	Ω	75			
Return losses	dB	15			
Front-to-back ratio	dB	25			
Horizontal opening angle	$^{\circ}$	33			
Length	mm	1.126			
Windload	130 km/h 150 km/h	N		71 98	
Units per package		1	1 (6u. Diana G69)	1	1 (6u. Diana G69 @ktive)
Packing Dimensions	mm	740 x 330 x 180	760 x 340 x 650	740 x 330 x 180	760 x 340 x 650
Weight	Kg	2	12	2	12

Supply voltage	12 ÷ 24 Vdc
Current drawn	25 mA

GAIN RESPONSE



HORIZONTAL OPENING DIAGRAM



@ktive



SIGNAL RECEPTION

DESCRIPTION

UHF Preamplifier designed for TV reception in weak signal areas.

CHARACTERISTICS

- Low noise figure
- Protected against electric discharge
- High output level
- Designed with SMD technology
- Embedded shielding by design
- Excellent adaptation to input and output impedance
- Especially designed for Di@na antenna



Supply voltage	12 ÷ 24 Vdc
Current drawn	25 mA
Operating temperature range	-20 ÷ 60° C

MODEL		@ktive
Reference		84385
Band covered	MHz	470 ÷ 862
Minimum input level for S/N = 30 dB, analogue TV	dBµV	34
Minimum input level for S/N = 19 dB, digital TV	dBµV	23,5
Input impedance	Ω	300
Maximum output level DIN 45004B (-60 dB)	dBµV	102
Output impedance	Ω	75
Output connector		F (h)
Gain	dB	18 (470 MHz) / 15 (862 MHz)
Noise figure	dB	2
Packing dimensions	mm	424 x 200 x 92
Weight	Kg	0,250

MOUNTING OF @ktive ON DI@NA ANTENNA

