Data sheet





Dual band amplifier

for mobile signals

art. 39-514A T-AMP 800/900 20dBm

















or absent, provided that a good quality signal is received outside.	
Ideal for amplifying the signal in areas up to 500÷2000 m².	

Amplifier ideal for the amplification of the mobile phone signal in band 20 (800 MHz) and in band 8 (900 MHz) inside public or private buildings (e.g. houses, restaurants, offices, shops, etc.), where signals are weak

If you want to spread the signal inside a very large building, you can connect to the amplifier a splitter with a number of outputs equal to the number of indoor antennas that you need to instal to reach the desired signal coverage.

Code		39-514A	
Item T-AMP 800/900 20c		900 20dBm	
Bands name		Band 20	Band 8
Bands	MHz	800 MHz	900 MHz
Uplink frequencies	MHz	832 ÷ 862	880 ÷ 915
Downlink frequencies	MHz	791 ÷ 821	925 ÷ 960
Bandwidth	MHz	30	35
Max gain	dB	Uplink: ≥65 / Downlink: ≥70	
Max output power	dBm	Uplink: ≥15 / Downlink: ≥20	
Coverage area	m ²	500 ÷ 2000	
AGC control range	dB	≥25	
Manual gain adjustment	dB	31 (1 dB per time)	
Max input power	dBm	-25	
Impedance	Ω	50	

Noise figure dB ≤6 Group delay time μs ≤1 **VSWR** dΒ ≤2 Spurious emissions 9 kHz - 1 GHz ≤-36 dBm Spurious emissions 1 GHz - 12.75 GHz ≤-30 dBm Consumption W 12 Connectors female N type °C -10 ÷ +50 Operating temperature IP40 Environmental conditions included Wall fixing accessory 250x170x65 Dimensions (LxWxH) mm Weight Kg 4.0 300x285x100 Packaging dimensions (LxWxH) mm Packaging weight Kg 4,0 **POWER SUPPLY** Power supply Vdc 6 Max power consumption Α 100-240 V~ 50/60Hz AC main tension Isolation class Dimensions (LxWxH) 90x40x50 mm Kg 0,135

* The coverage area is an indicative data that changes according to various factors and is different in each system.

In order to obtain the maximum output power of the amplifier (+20 dBm = 127 dB μ V), the input signal to the amplifier must be at least -50 dBm (57 dBµV).

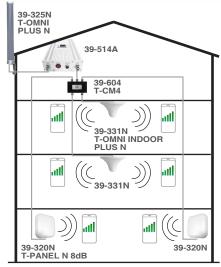
Characteristics

- Max gain 70 dB with Automatic Gain Adjustment (AGC)
- Detection functions for self-oscillation and overpower
- LED indicators for status, power, alarms
- Compliant to:

2014/53/UE/RED; 2011/65/UE (RoHS) EN 301 489-50 V2.2.1; EN 301 489-1 V2.2.1; EN 301 908-11 V11.1.2; EN 301 908-11 V11.1.1; EN 301 908-15 V11.1.2; EN 303 609 V12.5.1; EN 60950-1:2006+A11:2009+A1:2010+A12: 2011+A2:2013; EN 50385:2017

Example of application





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