Data sheet





Single-band amplifier

for mobile signals

art. 39-515G T-AMP 1800/2100 23dBm















7	F

Ideal for amplifying the signal in areas up to 2000÷3000 m². 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.

Amplifier ideal for the amplification of the mobile phone signal in band 3 (1800 MHz) and in band 1 (2100 MHz) inside public or private buildings (e.g. houses, restaurants, offices, shops, etc.), where signals are weak

Code		39-515G	
Item		T-AMP 1800/2100 23dBm	
Bands name		Band 3	Band 1
Bands	MHz	1800 MHz	2100 MHz
Uplink frequencies	MHz	1715 ÷ 1785	1920 ÷ 1980
Downlink frequencies	MHz	1810 ÷ 1880	2110 ÷ 2170
Bandwidth	MHz	75	60
Max gain	dB	Uplink: ≥70 / Downlink: ≥75	
Max output power	dBm	Uplink: ≥17 / Downlink: ≥23	
Coverage area	m ²	2000 ÷ 3000	
AGC control range	dB	≥25	
Manual gain adjustment	dB	31 (1 dB per time)	
Max input power	dBm	-27	
Impedance	Ω	50	
Noise figure	dB	≤6	
Group delay time		≤1	
VSWR dB		≤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	
Operating temperature °C		-10 ÷ +50	
Environmental conditions	IP40		
Wall fixing accessory	included		
Dimensions (LxWxH) mm		250x170x65	

or absent, provided that a good quality signal is received outside.

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

Kg

mm

Kg

Vdc

mm Kg

Α

4.0 300x285x100

4,0

9

100-230 V~ 50/60Hz

130x50x35

0,20

In order to obtain the maximum output power of the amplifier (+23 dBm = 130 dB μ V), the input signal to the amplifier must be at least -52 dBm $(55 \text{ dB}\mu\text{V}).$

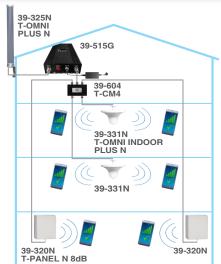
Characteristics

- Max gain 75 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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Weight

Packaging weight

POWER SUPPLY

AC main tension Isolation class Dimensions (LxWxH)

Remote power supply

Max power consumption

Packaging dimensions (LxWxH)