Data sheet





Single-band amplifier

for mobile signals

art. 39-516H T-AMP 1800/2600 27dBm















inside public or private buildings (e.g. houses, restaurants, offices, shops, etc.), where signals are weak or absent, provided that a good quality signal is received outside.

Amplifier ideal for the amplification of the mobile phone signal in band 3 (1800 MHz) and in band 7 (2600 MHz)

Ideal for amplifying the signal in areas up to 3000÷4000 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.

Code		39-516H	
Item		T-AMP 1800/2600 27dBm	
Bands name		Band 3	Band 7
Bands	MHz	1800 MHz	2600 MHz
Uplink frequencies	MHz	1715 ÷ 1785	2510 ÷ 2570
Downlink frequencies	MHz	1810 ÷ 1880	2630 ÷ 2690
Bandwidth	MHz	75	60
Max gain	dB	Uplink: ≥75 / Downlink: ≥80	
Max output power	dBm	Uplink: ≥20 / Downlink: ≥27	
Coverage area	m ²	3000 ÷ 4000	
AGC control range	dB	≥25	
Manual gain adjustment	dB	31 (1 dB per time)	
Max input power	dBm	-29	
Impedance	Ω	50	
Noise figure	dB	≤6	

Group delay time μs ≤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 °C -10 ÷ +50 Operating temperature IP40 Environmental conditions included Wall fixing accessory Dimensions (LxWxH) 335x170x65 mm Weight Kg 5.0 390x280x120 Packaging dimensions (LxWxH) mm Packaging weight Kg 5,0 **POWER SUPPLY** Remote power supply Vdc 9 Max power consumption Α 100-230 V~ 50/60Hz AC main tension Isolation class Dimensions (LxWxH) 130x50x35 mm Kg 0,20

* 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 (+27 dBm = 134 dB μ V), the input signal to the amplifier must be at least -53 dBm (54 dBµV).

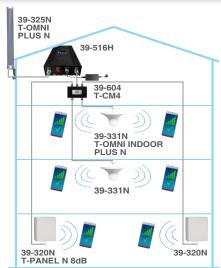
Characteristics

- Max gain 80 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





Rev. 0 10.2022

