Data sheet





Single-band amplifier

for mobile signals

art. 39-511 **T-AMP 2600 20dBm**



MOBILE













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 7 (2600 MHz) inside public or private

Ideal for amplifying the signal in areas up to 500÷2000 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.

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 $(57 \text{ dB}\mu\text{V}).$

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:

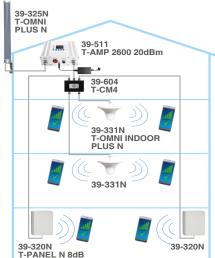
2014/53/UE/RED; 2011/65/UE (RoHS) EN 301 489-50 V2.1.1; EN 301 489-50 V2.3.1; EN 301 489-1 V2.1.1; EN 301 489-1 V2.2.3; EN 301 908-11 V11.1.2; EN 301 908-1 V.13.1.1; EN 301 908-15 V15.1.1; EN 303 609 V12.5.1; EN 60950-1:2006+A11:2009+A1:2010+A12: 2011+A2:2013; EN 62368-1:2014+A11:2017; EN 50385:2017; EN 62311:2020

Code		39-511
Item		T-AMP 2600 20dBm
Band name		7
Band	MHz	2600 MHz
Uplink frequencies	MHz	2510 ÷ 2570
Downlink frequencies	MHz	2630 ÷ 2690
Bandwidth	MHz	60
Max gain	dB	Uplink: ≥65 / Downlink: ≥70
Max output power	dBm	Uplink: ≥15 / Downlink: ≥20
Coverage area	m²	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	dB	≤2
Spurious emissions 9 kHz - 1 GHz		≤-36 dBm
Spurious emissions 1 GHz - 12.75	5 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	128x170x65
Weight	Kg	2,2
Packaging dimensions (LxWxH)	mm	440x310x260
Packaging weight	Kg	2,9
POWER SUPPLY	,	
Remote power supply	Vdc	9
Max power consumption	Α	5
AC main tension		100-230 V~ 50/60Hz
Isolation class		II
Dimensions (LxWxH)	mm	130x50x35

Kg * The coverage area is an indicative data that changes according to various factors



Example of application



Rev. 0 10.2022



and is different in each system.