Data sheet





Single-band amplifier

for mobile signals

art. 39-515B T-AMP 800/1800 23dBm



MOBILE











(3.01)	
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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 20 (800 MHz) and in band 3 (1800 MHz) inside public or private buildings (e.g. houses, restaurants, offices, shops, etc.), where signals are weak

Code		39-515B	
Item		T-AMP 800/1800 23dBm	
Bands name		Band 20	Band 3
Bands	MHz	800 MHz	1800 MHz
Uplink frequencies	MHz	832 ÷ 862	1715 ÷ 1785
Downlink frequencies	MHz	791 ÷ 821	1810 ÷ 1880
Bandwidth	MHz	30	75
Max gain	dB	Uplink: ≥70 / Downlink: ≥75	
Max output power	dBm	Uplink: ≥17 / Downlink: ≥23	
Coverage area	m²	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	μs	≤1	
VSWR	dB	≤2	
Spurious emissions 9 kHz - 1 GH	lz	≤-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	
Weight	Kg	4,0	
Packaging dimensions (LxWxH)	mm	300x285x100	
Packaging weight	Kg	4,0	
POWER SUPPLY			
Remote power supply	Vdc	9	
Max power consumption	А	5	
AC main tension		100-230 V~ 50/60Hz	
Isolation class		II	
Dimensions (LxWxH)	mm	130x50x35	
	Kg	0,20	

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.

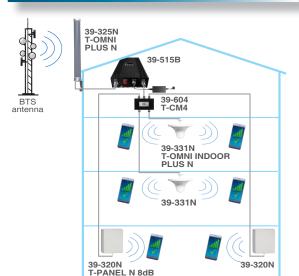
In order to obtain the maximum output power of the amplifier (+23 dBm = 130 dB μ V), the input signal to the amplifier must be at least -52 dBm $(55 \text{ dB}\mu\text{V}).$

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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