Data sheet





Single-band amplifier

for mobile signals

art. 39-515C T-AMP 800/2100 23dBm















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

Amplifier ideal for the amplification of the mobile phone signal in band 20 (800 MHz) and in band 1 (2100 MHz)

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		39-515C			
Item		T-AMP 800/2100 23dBm		T-AMP 800/2100 23dBm	
Bands name		Band 20	Band 1		
Bands	MHz	800 MHz	2100 MHz		
Uplink frequencies	MHz	832 ÷ 862	1920 ÷ 1980		
Downlink frequencies	MHz	791 ÷ 821	2110 ÷ 2170		
Bandwidth	MHz	30	60		
Max gain	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		≤1	
VSWR	R dB		≤2		
Spurious emissions 9 kHz - 1 GHz		≤-36 dBm			
Spurious emissions 1 GHz - 12.75 GHz		≤-30 dBm			
Consumption	nsumption W		12		
Connectors		female N type		female N type	
Operating temperature	°C	-10 ÷ +50			
Environmental conditions		IP40			
Wall fixing accessory		included		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	Α	5			
AC main tension		100-230 V~ 50/60Hz			
Isolation class		II			
Dimensions (LxWxH)	mm	130x50x35			
Weight	Kg	0,20			

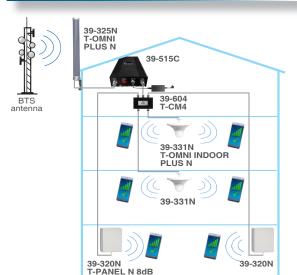
* The coverage area is an indicative data that changes according to various factors and is different in each system. In order to obtain the maximum output power of the amplifier (+23 dBm = 130 dB μ V), the input signal to the amplifier must be at least -52 dBm (55 dB μ V).

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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