Data sheet





desired signal coverage.

Dual band amplifier

for mobile signals

art. 39-516C T-AMP 800/2100 27dBm

















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

Amplifier ideal for the amplification of the mobile phone signal in band 20 (800 MHz) and in band 1 (2100 MHz) inside public or private buildings (e.g. houses, restaurants, offices, shops, etc.), where signals are weak

Code		39-516C		
Item		T-AMP 800/2100 27dBm		
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	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		
Operating temperature	°C	-10 ÷ +50		
Environmental conditions		IP40		
Wall fixing accessory		included		
Dimensions (LxWxH)	mm	335x170x65		
Weight	Kg	5,0		
Packaging dimensions (LxWxH)	mm	390x280x120		
Packaging weight	Kg	5,0		
POWER SUPPLY				
Power supply	Vdc	6,5		
Max power consumption	А	9,2		
AC main tension		200-240 V~ 50/60Hz		
Isolation class		II		
Dimensions (LxWxH)	mm	120x50x30		
Weight	Kg	0,225		

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

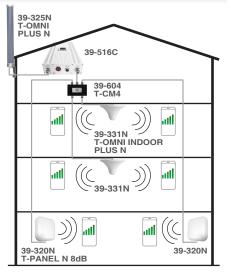
Characteristics

- 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





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