Data sheet





5 bands amplifier

for mobile signals

art. 39-520C T-AMP 5 BANDE 10dBm















in band 3 (1800 MHz), in band 1 (2100 MHz) and in band 7 (2600 MHz) 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 20 (800 MHz), in band 8 (900 MHz),

Ideal for amplifying the signal in areas up to 300÷500 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	39-520C	In order to obtain the
Item	T-AMP 5 BANDE 10dBm	
Bands name	Band 20 (800 MHz) Band 8 (900 MHz) Band 3 (1800 MHz) Band 1 (2100 MHz) Band 7 (2600 MHz)	the amplifier (+10 signal to the amplif (52 dBµV).

Uplink: 832 ÷ 862 Band 20 (800 MHz) frequencies MHz Downlink: 791 ÷ 821 Uplink: 880 ÷ 915 Band 8 (900 MHz) frequencies MHz Downlink: 925 ÷ 960

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Band 3 (1800 MHz) frequencies	MHz	Uplink: 1715 ÷ 1785 Downlink: 1810 ÷ 1880	
Band 1 (2100 MHz) frequencies	MHz	Uplink: 1920 ÷ 1980 Downlink: 2110 ÷ 2170	
Band 7 (2600 MHz) frequencies	MHz	Uplink: 2510 ÷ 2570 Downlink: 2630 ÷ 2690	
Bandwidth		Band 8: 30 MHz Band 8: 35 MHz Band 3: 70 MHz Band 1: 60 MHz Band 7: 60 MHz	
Max gain	dB	Uplink: ≥60 / Downlink: ≥65	
Max output power	dBm	Uplink: ≥8 / Downlink: ≥10	
Coverage area	m ²	300 ÷ 500	
AGC control range	dB	≥25	
Manual gain adjustment	dB	31 (1 dB per time)	
Max input power	dBm	-30	
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	8	
Connectors		female N type	
Operating temperature	°C	-10 ÷ +50	
Environmental conditions		IP40	
Wall fixing accessory		included	
Dimensions (LxWxH)	mm	335x170x65	
Weight	Kg	5,00	
Packaging dimensions (LxWxH)	mm	390x280x120	
Packaging weight	Kg	5,5	
POWER SUPPLY			
Remote power supply	Vdc	10	
Max power consumption	А	10	
AC main tension		100-230 V~ 50/60Hz	
Isolation class		II	
Dimensions (LxWxH)	mm	130x50x35	

^{*} The coverage area is an indicative data that changes according to various factors and is different in each system.

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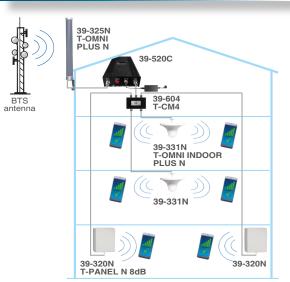
the maximum output power of $dBm = 117 dB\mu V$), the input ifier must be at least -55 dBm

Characteristics

- Max gain 65 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 V2.2.3; EN 301 908-11 V11.1.2; EN 301 908-15 V.11.1.2; EN 303 609 V12.5.1; EN 50385:2017 EN 62368-1: 2014 + A11:2017

Example of application



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0,20

Weight