



5 bands amplifier for mobile signals

art. 39-530
T-AMP 5 BANDE 0dBm

Preamplifier ideal for the amplification of the mobile phone signal in band 20 (800 MHz), in band 8 (900 MHz), 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.

To be used in large systems in combination with a 5 band amplifier when it is necessary to amplify the signal coming from the BTS antenna, before it is received by the amplifier.



Code	39-530	
Item	T-AMP 5 BANDE 0dBm	
Bands name	Band 20 (800 MHz) Band 8 (900 MHz) Band 3 (1800 MHz) Band 1 (2100 MHz) Band 7 (2600 MHz)	
Band 20 (800 MHz) frequencies	MHz	Uplink: 832 ÷ 862 Downlink: 791 ÷ 821
Band 8 (900 MHz) frequencies	MHz	Uplink: 880 ÷ 915 Downlink: 925 ÷ 960
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: ≥25 / Downlink: ≥25
Max output power	dBm	Uplink: ≥20 / Downlink: ≥0
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 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		
Power supply	Vdc	6,5
Max power consumption	A	9,2
AC main tension	200-240 V~ 50/60Hz	
Isolation class	II	
Dimensions (LxWxH)	mm	120x50x30
Weight	Kg	0,225

In order to obtain the maximum output power of the amplifier (0 dBm = 107 dBμV), the input signal to the amplifier must be at least -25 dBm (82 dBμV).

Characteristics

- Max gain 25 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 V11.1.2;
EN 303 609 V12.5.1; EN 50385:2017
EN 62368-1: 2014 + A11:2017

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

