Data sheet





Single-band amplifier

for mobile signals

art. 39-516D T-AMP 800/2600 27dBm















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| If you want to spread the signal inside a very large building, you can connect to the amplifier a splitter |
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| 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 7 (2600 MHz) inside public or private buildings (e.g. houses, restaurants, offices, shops, etc.), where signals are weak

| Code | | 39-516D | | |
|--------------------------------------|----------------|-----------------------------|-------------|--|
| Item | | T-AMP 800/2600 27dBm | | |
| Bands name | | Band 20 | Band 7 | |
| Bands | MHz | 800 MHz | 2600 MHz | |
| Uplink frequencies | MHz | 832 ÷ 862 | 2510 ÷ 2570 | |
| Downlink frequencies | MHz | 791 ÷ 821 | 2630 ÷ 2690 | |
| 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 | | | | |
| Remote power supply | Vdc | 9 | | |
| Max power consumption | Α | 5 | | |
| AC main tension | | 100-230 V~ 50/60Hz | | |
| Isolation class | | | I | |
| Dimensions (LxWxH) | mm | 130x50x35 | | |
| Weight | Kg | 0,20 | | |

or absent, provided that a good quality signal is received outside.

Ideal for amplifying the signal in areas up to 3000÷4000 m².

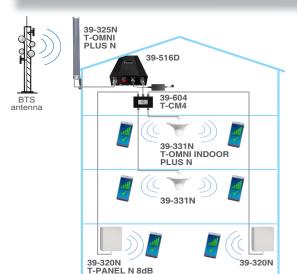
* The coverage area is an indicative data that changes according to various factors and is different in each system. In order to obtain the maximum output power of the amplifier (+27 dBm = 134 dB μ V), the input signal to the amplifier must be at least -53 dBm (54 dB μ V).

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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