Data sheet





Dual band amplifier

for mobile signals

art. 39-516F T-AMP 900/2600 27dBm

















Ideal for amplifying the signal in areas up to 3000÷4000 m ² .
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.

Amplifier ideal for the amplification of the mobile phone signal in band 8 (900 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_5	516F		
Item		T-AMP 900/2600 27dBm		
Bands name		Band 8	Band 7	
Bands	MHz	900 MHz	2600 MHz	
Uplink frequencies	MHz	880 ÷ 915	2510 ÷ 2570	
Downlink frequencies	MHz	925 ÷ 960	2630 ÷ 2690	
Bandwidth	MHz	35	60 60	
	dB			
Max gain	dBm	Uplink: ≥75 / Downlink: ≥80		
Max output power		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).

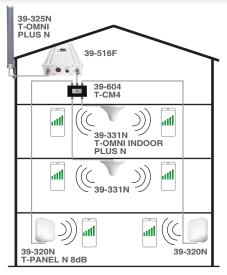
Characteristics

- 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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