Data sheet





Single-band amplifier

for mobile signals

art. 39-515H T-AMP 1800/2600 23dBm















arche public of private buildings (e.g. flouses, restaurants, offices, shops, etc.), where signals are weak
or absent, provided that a good quality signal is received outside.
Ideal for amplifying the signal in areas up to 2000÷3000 m².
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Amplifier ideal for the amplification of the mobile phone signal in band 3 (1800 MHz) and in band 7 (2600 MHz)

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.

ode		39-515H T-AMP 1800/2600 23dBm		In order to obtain the maximum output power of the amplifier (+23 dBm = 130 dBµV), the input signal to the amplifier must be at least -52 dBm
tem				
Bands name		Band 3	Band 7	(55 dBµV).
Bands	MHz	1800 MHz	2600 MHz	

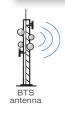
Characteristics

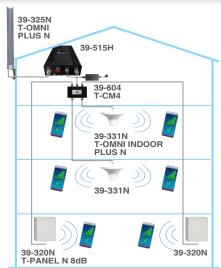
- Max gain 75 dB with Automatic Gain Adjustment (AGC)
- Detection functions for self-oscillation and overpower
- LED indicators for status, power, alarms
- Compliant to:

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

Code	39-515H			
Item	T-AMP 1800/2600 23dBm			
Bands name		Band 3	Band 7	
Bands	MHz	1800 MHz	2600 MHz	
Uplink frequencies	MHz	1715 ÷ 1785	2510 ÷ 2570	
Downlink frequencies	MHz	1810 ÷ 1880	2630 ÷ 2690	
Bandwidth	MHz	75	60	
Max gain	dB	Uplink: ≥70 / Downlink: ≥75		
Max output power	dBm	Uplink: ≥17 / Downlink: ≥23		
Coverage area	m²	2000 ÷ 3000		
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 GH	≤-36 dBm			
Spurious emissions 1 GHz - 12.75	≤-30 dBm			
Consumption	W	12		
Connectors	female N type			
Operating temperature	°C	-10 ÷ +50		
Environmental conditions		IP40		
Wall fixing accessory	included			
Dimensions (LxWxH)	mm	250x170x65		
Weight	Kg	4,0		
Packaging dimensions (LxWxH)	mm	300x285x100		
Packaging weight	Kg	4,0		
POWER SUPPLY				
Remote power supply	Vdc	9		
Max power consumption	Α	5		
AC main tension	100-230 V~ 50/60Hz			
Isolation class	II			
Dimensions (LxWxH)	mm	130x50x35		
Weight	Kg	0,2	20	

Example of application





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Offel s.r.l.

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