

# 2100 Single Band RF Repeater

## TS-C33L-W

23/33dBm Power, 80/85dB Gain



Tone Spread  
Solutions for Wireless Signal

Telecommunication Technology & Engineering Accessories

Rev.V1.1

### Features:

1. Compact size with stable performance.
2. Designed for indoor application.
3. Support antenna isolation detection.
4. MGC available for both uplink and downlink.
5. AGC to control output power at its maximum power level.
6. LCD real-time display to show the instant power and gain for each link.
7. Smart function to set the proper gain automatically.
8. Auto shut off function available for both uplink and downlink.
9. Cost-effective for practical solutions.

### Appearance:



### Specifications:

Parameters		Uplink	Downlink
Frequency Range	WCDMA/LTE2100	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain	TS-C33L-W	≥80dB	≥85dB
Output Power	TS-C33L-W	≥23dBm	≥33dBm
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≅ 25dB	
Spurious Emission	9KHz~1GHz	≅ -36dBm	
	1GHz~12.75GHz	≅ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≅ 2.0	
Group Delay		≤ 1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with numerical number.	
RF Connector		N-Female	

All specifications are subject to change without notice.

©2019 TONE SPREAD TECHNOLOGY CO., LTD. All Rights Reserved.

Website <http://www.tspd.com.tw>

ADD:11169 2F,No 141,Fu-Gang St. Taipei ,Taiwan

TEL:+886-2-28828979

FAX:+886-2-28829196

E-mail: [sales@tspd.com.tw](mailto:sales@tspd.com.tw)

Impedance	50Ω
Power Consumption	≤30W
Power Supply	Input: AC 110~240V; Output: DC 28V/2A
Operating Temperature	-10°C~50°C
Environment Conditions	IP40
Dimensions (D x W x H )	228*170*65mm
Weight	≤4KG

Note: The picture is only for reference, please make the object as the standard

