

C23M-N78-2C Series

5G MIMO Pico Mobile Signal Repeater



Features

- ◆ Large-size LCD display screen, perfect display equipment operating parameters;
- ◆ Support **2*2 MIMO** input and output;
- ◆ **Automatic shutdown function**, automatically shuts down the downlink output when excessive self-excitation or over power occurs;
- ◆ **Uplink Idle turn-off function**, the device enters sleep mode when there is no user in the coverage area, reducing interference to the base station
- ◆ **MGC** ,Manual control of output gain with 1dB step in the range of 31dB
- ◆ **ALC**, automatic power control function to keep the signal stable
- ◆ Automatic linkage link balance function
- ◆ Lightweight and compact size, low power consumption, easy installation
- ◆ **MTBF**: up to 100,000 hours.

Technical Specifications:

Item	Uplink	Downlink
Frequency	3300 ~ 3600 MHz	3300 ~ 3600 MHz
Working Bandwidth	Support frequency customization	
Frequency channel	5G 2*2MIMO	5G 2*2MIMO
Output Power	23±2 dBm	17±2 dBm
Gain	70±2 dB	70±2 dB
Passband ripple	≤6 dB	≤6 dB
VSWR	≤2	≤2
Max. Input Power Without Damage	-10 dBm	-10 dBm
Spurious Emission	9KHz~1GHz	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm
Gain adjustment range	ATT step of 1 dB in 31 dB	
ALC control range	≥ 30 dB	≥ 30 dB
ALC for 10dB Start-up Error	Δ ≤2 dB	Δ ≤2 dB
LCD Indication	Band	Show band name
	Gain	Show uplink and downlink gain
	Pout	Display downstream output power
	Work	Normal work: display, uplink idle shutdown: no display
	ISO	Normal work: no display; derating use: display; self-excited shutdown: flashing display
	ALC	No start control: no display; start control 5-10dB : display; start control 15-29dB : flash display
EVM	≤ 3.5%	
PCDE	≤ -35 dB	
ACRR	5 MHz	≥ 20 dB
	10 MHz	≥ 20 dB
Shutdown function	YES	
Link balance function	YES	
Automatically turn off the screen	After no operation, the screen will be turned off automatically after 3 minutes	
Real-time self-excitation elimination function	YES	
Noise Figure	≤6 dB	≤6 dB
Time delay	≤1 μ s	≤1 μ s
Power supply	DC: 12 V / 3 A	
RF interface	N-Female*4	
Protection level	IP40	
Adapt to ambient temperature	-10°C ~ +55°C	
Single machine packaging size	178*250*50mm	
weight	<2.4kg	