

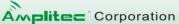
C23M-N78-2C Series

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.





Professional mobile communication seamless coverage solution provider

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	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-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	n Frror	△ ≤2 dB	△ ≤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	
		No start control: no display; start control 5-10dB: display; start control 15-29dB: flash display	
	ALC		
EVM	ALC	15-29dB : flash display	
	ALC	15-29dB : flash display ≤ 3.5%	
EVM PCDE		15-29dB : flash display ≤ 3.5% ≤ -35 dB	
PCDE	5 MHz	15-29dB : flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB	
PCDE ACRR		15-29dB : flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB	
PCDE ACRR Shutdown function	5 MHz 10 MHz	15-29dB : flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES	
PCDE ACRR Shutdown function Link balance functior	5 MHz 10 MHz	15-29dB : flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES	
PCDE ACRR Shutdown function Link balance function Automatically turn of Real-time self-excitation	5 MHz 10 MHz n ff the screen	15-29dB: flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES After no operation, the screen	
PCDE ACRR Shutdown function Link balance function Automatically turn o Real-time self-excitation	5 MHz 10 MHz n ff the screen	15-29dB: flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES After no operation, the screen minutes	will be turned off automatically after 3 ≤6 dB
PCDE ACRR Shutdown function Link balance function Automatically turn of Real-time self-excitation Indicate the self-excitation Roise Figure	5 MHz 10 MHz n ff the screen	15-29dB: flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES After no operation, the screen minutes YES	will be turned off automatically after 3
PCDE ACRR Shutdown function Link balance function Automatically turn of Real-time self-excitation function Noise Figure Time delay	5 MHz 10 MHz n ff the screen	15-29dB: flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES After no operation, the screen minutes YES ≤ 6 dB	will be turned off automatically after 3 ≤6 dB
PCDE ACRR Shutdown function Link balance function Automatically turn of Real-time self-excitation function Noise Figure Time delay Power supply	5 MHz 10 MHz n ff the screen	15-29dB: flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES After no operation, the screen minutes YES ≤6 dB ≤1 µs	will be turned off automatically after 3 ≤6 dB
PCDE ACRR Shutdown function Link balance function Automatically turn of Real-time self-excitation Indication Noise Figure Time delay Power supply RF interface	5 MHz 10 MHz n ff the screen	15-29dB: flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES After no operation, the screen minutes YES ≤6 dB ≤1 μs DC: 12 V/3 A	will be turned off automatically after 3 ≤6 dB
PCDE ACRR Shutdown function Link balance function Automatically turn o Real-time self-excitat function Noise Figure Time delay Power supply RF interface Protection level	5 MHz 10 MHz n ff the screen tion elimination	15-29dB: flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES After no operation, the screen minutes YES ≤ 6 dB ≤ 1 µs DC: 12 V / 3 A N-Female*4 IP40	will be turned off automatically after 3 ≤6 dB
PCDE ACRR Shutdown function Link balance function Automatically turn of Real-time self-excitation Indication Noise Figure Time delay Power supply RF interface	5 MHz 10 MHz ff the screen tion elimination	15-29dB: flash display ≤ 3.5% ≤ -35 dB ≥ 20 dB ≥ 20 dB YES YES After no operation, the screen minutes YES ≤ 6 dB ≤ 1 µs DC: 12 V / 3 A N-Female*4	will be turned off automatically after 3 ≤6 dB



