

C23S Series Dual Band Repeater



Product features:

- OLED display of system operating status such as frequency, gain, output power and isolation.
- ISO display and alarm function make installation and debugging easy.
- Able to increase signal coverage, decrease mobile phone radiation, and increase mobile phone battery lifespan.
- ALC, accurate auto level control ensures stable coverage.
- MGC, manual gain attenuation of system gain within 1-31dB range, with 1 dB step.
- MTBF: Up to 100,000 hours.

Model list:

Model	Up link Frequency Range	Down link Frequency Range
C23S-B1B3	1710 ~ 1785/1920 ~ 1980 MHz	1805 ~ 1880/2110 ~ 2170 MHz
C23S-B3B8	880 ~ 915/1710 ~ 1785 MHz	925 ~ 960/1805 ~ 1880MHz
C23S-B1B8	880 ~ 915/1920 ~ 1980 MHz	925 ~ 960/2110 ~ 2170MHz
C23S-B1B5	824 ~ 849 /1920 ~ 1980 MHz	869 ~ 894/2110 ~ 2170MHz
C23S-B4B5	824 ~ 849/1710 ~ 1785 MHz	869 ~ 894/2110 ~ 2170 MHz
C23S-B2B5	824 ~ 849/1850 ~ 1910 MHz	869 ~ 894/1930 ~ 1990MHz
C23S-B8B20	832 ~ 862/880 ~ 915 MHz	791 ~ 821/925 ~ 960MHz

Technical specification:

Item	Up link	Down link
Output power	23±2 dBm	23±2 dBm
Gain	73±2 dB	73±2 dB
Ripple in band	≤6~15 dB	≤6~15 dB
Spurious emission	9KHz~1GHz	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm
Gain Attentuate Range	1~31 dB,step of 1 dB	
ALC control Range	≥ 25 dB	≥ 25 dB
OLED Indication	Band	Band name & frequency
	Gain	Uplink & downlink gain
	Pout	Downlink output power
	Work	Device work indication
	ISO	Isolation status indication
Mute when there is no user:	Available	
Real-time Self Oscillation Elimination Function	Available	
Over input turn-off:	Available	
EVM	Fully comply with 3GPP	
PCDE	Fully comply with 3GPP	
ACRR	Fully comply with 3GPP	
Noise figure	≤8 dB	≤8 dB
Group delay	≤1.5 μs	≤1.5 μs
I/O impedance	50Ω	
Power supply	DC: +12 V	
Power consumption	< 20 W	
RF connector	N-Female	
Operating temperature	-10°C~ +55°C	
Size	292*140*48mm	
Weight	<1.8kg	