

S27S Series Single Band Digital Repeater



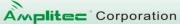
Product Features

- Sub-band frequency and bandwidth can be set by local monitoring panel, which is easier and more convenient
- Digital filter technology makes out-of-band rejection more effective
- OLED screen can clearly display working frequency, gain, output power and easily check working status of the device
- Manual gain control function, to attenuate gain with 1dB step among range of 31dB
- ALC, with wide range of 31dB, auto limit the output power to ensure stable performance.
- Device auto detect isolation after start-up, to avoid self-oscillation
- With 20dBm output power, coverage can be up to 1000 m²
- MTBF can be up to 100,000 hours

Model List

Models	Uplink	Downlink	
S27S-B8	880 ~ 915 MHz	925 ~ 960 MHz	
S27S-B3	1710 ~ 1785 MHz	1805 ~ 1880 MHz	
S27S-B1	1920 ~ 1980 MHz	2110 ~ 2170 MHz	
S27S-B7	2500 ~ 2570 MHz	2620 ~ 2690 MHz	
S27S-B20	791 ~ 821 MHz	832 ~ 862 MHz	







Professional mobile communication seamless coverage solution provider

Technical Specification

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Operating Bandwidth		0.2~20 MHz(Frequency can be set , 200 kHz step)		
Sub-bands		1~3		
Output power		20±2 dBm	27±2 dBm	
Gain		75±2 dB	80±2 dB	
Ripple in Band		≤4 dB	≤4 dB	
VSWR		≤2	≤2	
Max. input power without damage		-10 dBm	-10 dBm	
Out of Band Gain		Fully comply with 3GPP		
EVM		Fully comply with 3GPP		
PCDE		Fully comply with 3GPP		
ACRR		Fully comply with 3GPP		
	9KHz~1GHz	≤-36 dBm	≤-36 dBm	
Spurious Emission	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm	
Gain Attentute Range		1~31 dB,step of 1 dB		
ALC active 10dB, output power error		△ ≤2 dB	△ ≤2 dB	
	ALC not active	_	Green	
ALC Alarm Indicator	ALC active 5~10dB	_	Orange	
	ALC active >20dB	_	Red	
Monitoring and control Local		Button and OLED Display screen		
Control		1.UL&DL gain		
		2. Frequency		
		3.Bandwidth		
Monitoring		1.Output power		
		2.Temperature		
		3.Alarms(Over output alarm, over temperature alarm,PLL alarm))		
Noise Figure		≤6 dB	≤6 dB	
Time Delay		≤13 µs	≤13 µs	
Power Supply		DC: 27 V /3 A		
RF Connector		N-Female		
Environment Condition		IP40		
Humidity		< 90%		
Operating Temperature		-10℃ ~ +55℃		
Dimension		300*200*58mm		
Weight		<3.9kg		



