Amplitee[®] All interconnection Amplitec achieves

W27S Single Band selective Repeater



Product Features

- OLED display of operating status at a glance, easy and convenient Push-button operation. •
- Low power consumption, low interference. •
- Support the uplink quiet noise function. •
- Digital ALC, auto control of output power ensuring stable signal coverage.
- Anti-interference, real time auto ISO detection and Self Oscillation Elimination keeping base station away from interference.
- Manual gain attenuation, attenuation of gain in the range of 1-31dB with 1dB step.

Model list:

MODEL	Frequency Range of Up link	Frequency Range of Down link	
W27S-B5	824 ~ 849 MHz	869 ~894MHz	
W27S-B8	880 ~ 915 MHz	925 ~ 960 MHz	
W27S-B3	1710 ~ 1785 MHz	1805 ~ 1880 MHz	
W27S-B1	1920 ~ 1980 MHz	2110 ~ 2170MHz	
W27S-B20	830 ~ 862 MHz	791 ~ 821 MHz	
W27S-B28	708 ~ 748 MHz	763 ~ 803 MHz	
W27S-B7	2500 ~ 2570 MHz	2620 ~ 2690 MHz	



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Technical Specification

Items		Uplink	Downlink	
frequency		Customer-specified	Customer-specified frequency	
Bandwidth		Customer-specified frequency		
Output Power		23±2dBm	27±2dBm	
Gain		70±3dB	75±3dB	
Ripple		\leq 4 dB	≪4 dB	
VSWR		≤2	≤2	
Max. Input Power Without Damage		0dBm	0dBm	
Spurious	9KHz~1GHz	≤-36 dBm	≤-36 dBm	
Emission	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm	
Out of Band Gain		Fully comply with 3GPP		
EVM		Fully comply with 3GPP		
PCDE	PCDE		Fully comply with 3GPP	
ACRR		Fully comply with 3GPF	Fully comply with 3GPP	
Gain Attentute Range		1~31 dB,step of 1 dB		
ALC control Range		≥ 25 dB	≥ 25 dB	
Noise Figure@ max. gain		≤6 dB	≤6 dB	
Time Delay		≤5 µs	≤5 µs	
AGC Alarm	NotActive	_	Green	
	Active5~10dB	_	Orange	
	Active≥25dB	—	Red	
ISO LED Indication	Normal	_	Green	
	Lower 60~75 dB	—	Orange	
	Lower ≤55 dB	—	Red	
Monitoring and control		OLED	OLED	
Idle Shut-off Function		Available	Available	
Real-time Self Oscillation Elimination		Available	Available	
Shutoff Function		Available	Available	
Power Supply		DC:27V	DC:27V	
Power Consumption		< 45 W		
RF Connector		N-Female	N-Female	
Dimension		305*268*58mm		
Weight		< 4.5 kg	< 4.5 kg	
Environment Conditions		IP40		
Humidity		< 90%	< 90%	
Operating Temperature		-10°C ~ +50°C	-10°C ~ +50°C	



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