

## CS75T SERIES

## DUAL BAND SELECTIVE REPEATER

### APPEARANCE INTRODUCTION

- Power indicate
- Run status indicate
- AGC alarm indicate
- ISO Status indicate LCD
- DC IN
- N-female port



### FEATURES

- UL sleep and quiet noise function;
- Digital ALC, auto control of output power ensuring stable signal coverage.
- Manual gain attenuation, attenuation of gain in the range of 1-31dB with 1dB step.
- Real-time automatic detection of isolation function;
- Anti-interference, real time auto ISO detection and self oscillation elimination keeping base station away from interference.
- Automatically adjust the uplink and downlink gain based on the BTS signal strength, without any manual debugging;
- LCD display of operating status at a glance, easy and convenient push-button operation.

## MODEL LIST

Model	Frequency Range	Bandwidth
CS75T-B1B3	1710 ~ 1785/1920 ~ 1980 MHz	1805 ~ 1880/2110 ~ 2170 MHz
CS75T-B2B5	824 ~ 849/1850 ~ 1910 MHz	869 ~ 894/1930 ~ 1990 MHz
CS75T-B3B8	880 ~ 915/1710 ~ 1785 MHz	925 ~ 960/1805 ~ 1880 MHz
CS75T-B4B5	824 ~ 849/1710 ~ 1755 MHz	869 ~ 894/2110 ~ 2155 MHz
CS75T-B7B8	880 ~ 915/2500 ~ 2570 MHz	925 ~ 960/2620 ~ 2690 MHz
CS75T-B1B20	1920 ~ 1980/830 ~ 862 MHz	2110 ~ 2170/791 ~ 821 MHz
CS75T-B3B20	1710 ~ 1785/830 ~ 862 MHz	1805 ~ 1880/791 ~ 821 MHz
CS75T-B3B28	1710 ~ 1785/708 ~ 748 MHz	1805 ~ 1880/763 ~ 803 MHz

## TECHNICAL SPECIFICATION

Item	Uplink	Downlink
Frequency	Customer-specified frequency	
Bandwidth	Customer-specified frequency	
Output power	17±2 dBm	27±2 dBm
Gain	70±2 dB	75±2 dB
Ripple	≤4 dB @ BW <sub>Config</sub>	≤4 dB @ BW <sub>Config</sub>
VSWR	≤2@MS	≤2@MS
Maximum input power without damage	0 dBm	0 dBm
Spurious Emission	9KHz~1GHz	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm
Out Of Band Gain	Fully comply with 3GPP	
EVM	Fully comply with 3GPP	
ACRR	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		≤8 dB	≤8 dB
Time Delay		≤5 μs	≤5 μs
Run LED	Run	Show band name	
	Uplink Sleep	Show uplink and downlink gain	
	OFF	Display downlink input power	
ISO LED	Normal	Green flash	
	Lower 60~75 dB	Orange	
	Lower ≤55 dB	Red	
AGC Alarm	Not Active	—	Green
	Active 5~10 dB	—	Orange
	Active ≥25 dB	—	Red
Smart function		1.Uplink Sleep 2.Real-time Self Oscillation Elimination Function 3.Low isolation auto Shout-off 4.Over Input auto Shout-off 5.Idle Shut-off Function	
Power Supply		DC: 12 V	
Power Consumption		<40W	
RF connector		N-Female	
Environment Conditions		IP40	
Humidity		< 90%	
Operating Temperature		-10℃ ~ +55℃	
Size		280*250*44 mm	
Weight		≤4kg	