

D23T-W Digital band selective repeater			
Electrical specification		Uplink	Downlink
Frequency Range	WCDMA (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Bandwidth	0~25MHz adjustable in the working system, with 100KHz adjusting step		
Max .Output Power	D23T-W	≥17dBm	≥23dBm
Max .Gain	D23T-W	≥70dB	≥75dB
Maximum Input Without Damage	≥-10dBm		
Gain Adjustable Range	31dB / 1dB step		
Automatic Level Control	When adding ≤10dB at max. output level, output variation ≤±2dB, When adding >10dB, output variation ≤±2dB or be off.		
Passband Ripple	≤2dB/3.84MHz, total ≤4dB		
Out of Band Gain	2.7 f_offset<3.5MHz	<60dB	
	3.5 ≤f_offset<7.5MHz	<45dB	
	7.5 ≤f_offset<12.5MHz	<45dB	
	12.5 ≤f_offset	<35dB	
Spurious Emission	9kHz~1GHz	≅ -36dBm	
	1 GHz ~ 12.75 GHz	≅ -30dBm	
Frequency stability	≤ 0.01ppm		
Error Vector Magnitude	≅ 10%		
Peak Code Domain Error	-35dB@Spreading Factor 256		
Noise Figure	≤6dB		
V.S.W.R	≤ 1.5		
Group Delay	≤ 5μs		
Power Consumption	≤15W		
Cooling	Heatsink Convection cooling		
LED Alarm		Standard	
RUN LED	Green @ Normal work		
ALARM LED	Alarm Green when at normal working condition Alarm Red when ALC is in control		
Bluetooth	Connect the Mobile APP through Bluetooth		
Mechanical Specifications		Standard	
I/O Port	N-Female		
Impedance	50 ohm		
Operating Temperature	-10℃~+55℃		
Environment Conditions	IP40		
Dimensions	250mm*165mm*53mm		
Weight	≤2.5KG		
Power Supply	Input AC100~240V,output DC 12V / 2A		
Monitoring	via Mobile APP when connect by Bluetooth to set the gain, bandwidth etc.		
CE Regulations			
DIRECTIVE 2014/53/EU	Safety	EN 62311:2020	
	Health	EN 50385:2017	
	EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-50 V2.2.1 (2019-04)	
	Radio Spectrum	EN 301 908-1 V11.1.1 (2016-07) EN 301 908-11 V11.1.2 (2017-01)	

