

SINGLE BAND REPEATER
Rosenfelt RF L15-20-23-DA serie
800 MHz LTE



Electrical specification		Uplink	Downlink
Frequency Range		LTE 800	
LTE 800 MHz		790 - 821 MHz	832 - 862 MHz
Bandwidth (Frequency can be set by software)		0,2-20 MHz (steps of 100KHz)	0,2-20 MHz (steps of 100KHz)
Max .Output Power		≥15/20/23 dBm	≥15/20/23 dBm
Max .Gain		≥65/70/75dB	≥65/70/75dB
Input Power		0dBm(Max) : Absolute	
MGC (Step Attenuation)		31 dB / 1 dB step	
Automatic Level Control		≥ 20 dB	
Passband Ripple		total≤ 4dB	
Out of Band Gain	0,2≤f_offset<1MHz	< 60 dB	
	1≤f_offset<5MHz	< 45 dB	
	5≤f_offset<10MHz	< 45 dB	
	10≤f_offset	< 35 dB	
Spurious Emission	9 kHz~ 1 GHz	≤ -36 dBm	
	1 GHz ~12.75 GHz	≤ -30 dBm	
Noise Figure		≤ 6 dB	
V.S.W.R		≤ 2.0	
Group Delay		≤ 1 μs	
Power Consumption		≤ 25 W	
Cooling		Heatsink Convection cooling	
ISO (Donor antenna and Service antenna)		Flickers every 1 s when isolation is insufficient; lights up when normal.	
Smart LED Indication		Intelligent mode : green Normal Mode : No light	
Input and Output signal strength		Not active: Green Active 5 - 10 dB: Orange Active > 15 dB : Red	

LED Alarm	
Power LED	Green @ Normal work
AGM Alarm	Not active: Green Active 5 - 10 dB: Orange Active > 15 dB : Red

Mechanical Specifications	
I/O Port	N-Female
Impedance	50 ohm
Operating Temperature	-10 °C ~ +55 °C
Environment Conditions	IP40
Dimensions	268*225*58mm
Weight	≤2.5 Kg
Power Supply	Input AC 100~240 V, output DC 12V /3A