

**SINGLE BAND REPEATER**  
**Rosenfelt RF-Exx-L serie**  
**900 MHz E-GSM**



Electrical specification		Uplink	Downlink
Frequency Range		EGSM900	
Bandwidth	EGSM / GSM	880 - 915MHz	925 - 960MHz
Max .Output Power	RF E15-L	65±3dB	65±3dB
	RF E20-L	65±3dB	70±3dB
Max .Gain	RF E15-L	12±2dBm	15±2dBm
	RF EL20-L	15±2dBm	20±2dBm
Input Power		0dBm(Max) : Absolute	
MGC (via Touch Panel)		31 dB / 1 dB step	
Automatic Level Control		≥ 15dB, auto shut off after 15dB	
Passband Ripple		total ≤ 5dB	
Spurious Emission	9kHz~1GHz	≤ -36 dBm	
	1 GHz ~12.75 GHz	≤ -30 dBm	
Frequency stability		≤ 0.01 ppm	
Error Vector Magnitude		≤ 12.5%	
Peak Code Domain Error		≤ -35dB@Spreading Factor 256	
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 Mode		Automatically adjusts gain fo rboth links according to the specific environment.	
Input and Output signal strength		Show Input signal strength with numerical number. Shows Output signal strength with signal bars.	

<b>LED Alarm</b>	Standard
Power LED	Power Indicator
ALC LED	Orange @ ALC 1~5dB, Red @ ALC 15dB~20dB, LED off after 5 seconds red

<b>Mechanical Specifications</b>	Standard
I/O Port	N-Female
Impedance	50 ohm
Operating Temperature	-25°C~+55°C
Environment Conditions	IP40
Dimensions	210*145*45mm
Weight	≤2.5 Kg
Power Supply	Input AC100~240V,output DC 12V / 3A