

**DUAL BAND REPEATER**  
**Rosenfelt RF EL13-H**  
 900 MHz EGSM & 800 MHz LTE



Electrical specification	Uplink	Downlink
Frequency Range	GSM + LTE 900 MHz + 800 MHz	
Bandwidth	Wide band	
LTE 800 MHz	791 - 821 MHz	832 - 862 MHz
EGSM 900 MHz	880 - 915 MHz	925 - 960 MHz
Max .Output Power	≥ 10 dBm	≥ 13 dBm
Max .Gain	≥ 60 dB	≥ 65 dB
Input Power	0dBm(Max) : Absolute	
MGC (Step Attenuation)	31dB / 1dB step	
Automatic Level Control	≥ 20dB	
Passband Ripple	DCS≤10dB; EGSM≤10dB	
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
ACRR	20dBc/30KHz@±5MHz	
	20dBc/30KHz@±10MHz	
Frequency stability	≤ 0.01ppm	
Error Vector Magnitude	≤ 12.5%	
Peak Code Domain Error	≤ -35dB@Spreading Factor 256	
Noise Figure	≤6dB	
V.S.W.R	≤ 2.0	
Group Delay	≤ 1μs	
Power Consumption	≤10W	
Cooling	Heatsink Convection cooling	
<b>LED Alarm</b>	Standard	
Power LED	Green @ Normal work	
Alarm LED	Green flickering @ ALC 1~10 dB; Orange flickering@ ALC 11~20 dB, Red flickering @ ALC above 21 dB	

<b>Mechanical Specifications</b>	Standard
I /O Port	N Female
Impedance	50 ohm
Operating Temperature	-10 °C ~ +55 °C
Environment Conditions	IP40
Dimensions	120 x 198 x 34 mm
Weight	≤ 1,0 Kg.
Power Supply	Input 90-265 V AC, output 12 V DC / 3 A