

DUAL BAND REPEATER
Rosenfelt RF E13-H
900 MHz EGSM



Electrical specification		Uplink	Downlink
Frequency Range		EGSM 900 MHz	
Bandwidth		Wide band	
EGSM 900 MHz		880 - 915 MHz	925 - 960 MHz
Max .Output Power		≥10dBm	≥13dBm
Max .Gain		≥58dB	
Input Power		0dBm(Max) : Absolute	
MGC (Step Attenuation)		31dB / 1dB step	
Automatic Level Control		≥ 42dB	
Passband Ripple		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		≤5dB	
V.S.W.R		≤ 2.0	
Group Delay		≤ 1μs	
Power Consumption		≤5W	
Cooling		Heatsink Convection cooling	
LED Alarm		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	

Mechanical Specifications	Standard
I /O Port	N Female
Impedance	50 ohm
Operating Temperature	-10 °C ~ +80 °C
Environment Conditions	IP40
Dimensions	210 x 130 x 31 mm
Weight	≤ 0,7 Kg.
Power Supply	Input 90-265 V AC, output 5V/ 3A