

6-BAND REPEATER Rosenfelt RF-**-6B-L

700 MHz 5G, 800 MHz 4G LTE,
900 MHz EGSM , 1800 MHz DCS,
2100 MHz 3G UMTS, 2600 MHz 4G LTE



Electrical specification	Uplink	Downlink
Frequency Range	5G 700/LTE800/GSM900/DCS1800/UMTS2100/LTE 2600	
Bandwidth	Wide band	
5G 700 MHz	703 - 733 MHz	758 - 788 MHz
LTE 800 MHz	832 - 862 MHz	791 - 821 MHz
EGSM 900 MHz	880 - 915 MHz	925 - 960 MHz
DCS 1800 MHz	1710 - 1785 MHz	1805 - 1880 MHz
UMTS 2100 MHz	1920 - 1980 MHz	2110 - 2170 MHz
LTE 2600 MHz	2500 - 2570 MHz	2620 - 2690 MHz
Max .Output Power		
RF 10-6B-L	≥ 10dBm	≥ 10dBm
RF 15-6B-L	≥ 12dBm	≥ 15dBm
RF 20-6B-L	≥ 15dBm	≥ 20dBm
RF 23-6B-L	≥ 15dBm	≥ 23dBm
Max .Gain		
RF 10-6B-L	≥ 60dB	≥ 65dB
RF 15-6B-L	≥ 65dB	≥ 65dB
RF 20-6B-L	≥ 65dB	≥ 70dB
RF 23-6B-L	≥ 70dB	≥ 75dB
Input Power	0 dBm(Max) : Absolute	
MGC (Step Attenuation)	31 dB / 1dB step	
Automatic Level Control	≥ 15dB, auto shut off after 15dB on Downlink	
Frequency stability	≤ 0.01ppm	
Noise Figure	≤6 dB	
V.S.W.R	≤ 3.0	
Group Delay	≤ 1 μs	
Power Consumption	≤25 W	
Intelligent Functions	Standard	
LED Alarm	Standard	
Cooling	Heatsink Convection cooling	

Intelligent Functions	Standard
ISO(Donor antenna and Service antenna)	Flickers every 1 s when isolation is insufficient; lights up
Smart Mode	Automatically adjusts gain for both links according to the
Input and Output signal strength	Show Input signal strength with numerical number. Shows
LED Alarm	Standard
Power LED	Green @ Normal work
ALC LED	Oange flickering@ ALC 1~5dB, Red flickering @ ALC 15dB~20dB

Mechanical Specifications	Standard
I /O Port	N Female
Impedance	50 ohm
Operating Temperature	-25°C~+55°C
Environment Conditions	IP40
Dimensions	150*210*36mm
Weight	≤ 2.5Kg
Power Supply	Input AC 100~240 V, output DC 12 V / 5A