

DUALBAND BAND SELECTIVE REPEATER

Product Description:

Band selective repeater provides an optimal solution for blind spots in cellular network. It is a dual band repeater operating in 3G UMTS and LTE Band with coverage area up to 1000 sq.mtr. It has excellent out of band rejection, reduced cross talk between uplink and down link. It provides automatic gain control.



Salient Features:

- Easy to install, small in size solution.
 - Latest design incorporating high efficiency devices from United States.
 - Low power consumption.
 - Local monitoring and configuration through USB.
 - Aesthetically appealing and robust mechanical design.
 - Extremely low spurious emissions.
 - Supports frequency hopping BTS.
 - High reliability.
-

Specifications:

Output Power: 20 dBm

Gain: 70 Db

Electrical Data		
Frequency Range	Uplink 1754.9 – 1769.9 Mhz 1937.3 – 1952.3 Mhz	Downlink 1849.9 – 1864.9 MHz 2127.3 – 2142.3 MHz
Bandwidth	15MHz	
Gain	> 70 dB(typ.)	
Output Power	20 dBm	
Gain Flatness	≤ ±2dB	
VSWR	< 2:1	
Input Impedance	50 Ohm	
Manual Gain Control	0-30 dB	
Automatic Gain Control	0-30 dB	
Noise Figure	< 8 dB	
Maximum Input Power	0dBm (without damage)	
Spurious Emissions	< -36dBm(9Khz to 1Ghz) < -30dBm(1Ghz to 8.5Ghz)	
IMD3	< -36dBm(9Khz to 1Ghz) < -30dBm(1Ghz to 8.5Ghz)	
MTBF	> 50000 hrs	
Time Delay	< 5 μ sec	
Power Consumption	17 watt	
Out of Band Rejection	> 30dB@600kHz > 45dB@1MHz	
Power Supply	110-240V AC	
Network Monitoring	USB Port	

Mechanical Data	
Dimension	300x300x35 mm
Connector Type	N female
Cooling	Heat sink convection

Environmental Data	
Operating Temperature	-5~+45°C
Humidity	5~95%
Environmental Class	Indoor use

DUALBAND BAND SELECTIVE REPEATER

Options:

- Bandwidth from 0.2 to 45 MHz.
 - Up to four sub bands in each band.
 - Variable/fixed bandwidth.
 - Center frequency tunability through GUI.
 - LCD display with keypad.
 - SNMP based remote monitoring software with modem.
 - SMS alarms through GSM modem.
-