Micro Repeater Operator Band

Adjustable band/High system gain/Available 20 dBm
700_800_900_1800_2100_2600 MHz

Key features

The Repeater is an ideal solution to solve indoor coverage problems of all operators.
The repeater functions as a relay between the BTS and cellphones. It picks up an external signal from a donor antenna and amplifies it to transmit it back to the area that needs to be covered through the coverage antenna.

Benefits

☑ Adjustable band (2 subbands)
☑ Linear power amplification
☑ ALC (a stable and continuous output level)
☑ Available 20 dBm
☑ High system gain
☑ Low consumption
# Specifications

## Technical characteristics

<table>
<thead>
<tr>
<th>Frequency range</th>
<th>700/2600 MHz</th>
</tr>
</thead>
</table>

### Bandwidth
- Operator Band (2 sub-bands each 0.2-25 MHz)

### Maximum Gain
- Uplink: 70±3dB; Downlink: 70±3dB

### Max output power
- Uplink: 20±2dBm; Downlink: 20±2dBm;

### AGC control range
- ≥20dB

### I/O Impedance
- 50 Ω

### Noise Figure
- ≤ 6dB

### System delay
- ≤ 8μs

### Spurious Emission
- 9kHz-1GHz: ≤ -36dBm/30kHz
- 1GHz-12.75GHz: ≤ -30dBm/30kHz

### Error Vector Magniture
- Compliance with 3GPP TS36.106

### Peak Code Domain Error

### Third-order Inter-modulation

### Alarm Monitoring System
- Alarm for uplink self-oscillation

### Control Connector (Optional)
- RJ45 for Local (3G modem for remote)
## Mechanical characteristics

<table>
<thead>
<tr>
<th>Type</th>
<th>Dual band or three band</th>
<th>Single band</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF Connector</td>
<td>N-Type (Female)</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>318mm×265mm×113mm</td>
<td>318mm×265mm×68mm</td>
</tr>
<tr>
<td>Weight</td>
<td>≤11 kg</td>
<td>≤7.5kg</td>
</tr>
<tr>
<td>Application</td>
<td>Indoor (IP30)</td>
<td></td>
</tr>
</tbody>
</table>

## Electrical characteristics

<table>
<thead>
<tr>
<th>Power Consumption</th>
<th>≤ 60W max</th>
<th>30W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>Input AC100~240V Output DC 9V/10A</td>
<td></td>
</tr>
<tr>
<td>Indication LED</td>
<td>Power supply, Alarm, state</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10 ~ +45°C</td>
<td></td>
</tr>
<tr>
<td>NMS(Optional)</td>
<td>Power supply, Output power, Gain, UL/DL ATT, etc.</td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of a donor antenna, a repeater, and a coverage antenna in an office setting.]

More information: [www.see-critical.com](http://www.see-critical.com)