

IQ-C15L-LTE BAND28 700MHz band selective repeater

| Electrical specification | | Uplink | Downlink |
|----------------------------------|---|---|--------------|
| Frequency Range | LTE700 (Band 28) | 703 ~ 748MHz | 758 ~ 803MHz |
| Bandwidth | fixed 10MHz bandwidth, while central frequency is tunable via the | | |
| Max .Output Power | C15L-LTE | ≥12dBm | ≥15dBm |
| Max .Gain | C15L-LTE | ≥65dB | ≥70dB |
| Maximum Input Power | ≥0dBm | | |
| MGC (Step Attenuation) | 31dB / 1dB step | | |
| Automatic Level Control | ≥ 40dB | | |
| Passband Ripple | ≤2dB/3.84MHz | | |
| 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 | |
| Frequency stability | ≤ 0.01ppm | | |
| Error Vector Magnitude | ≅ 10% | | |
| Peak Code Domain Error | -35dB@Spreading Factor 256 | | |
| Noise Figure | ≤6dB | | |
| V.S.W.R | ≤ 2.0 | | |
| Group Delay | ≤ 5μs | | |
| Power Consumption | ≤15W | | |
| Cooling | Heatsink Convection cooling | | |
| LED Alarm | Standard | | |
| Power LED | Green @ Normal work | | |
| ALC LED | Alarm Red when ALC control over 15dB | | |
| Mechanical Specifications | Standard | | |
| I/O Port | N-Female | | |
| Impedance | 50 ohm | | |
| Operating Temperature | -10°C ~+55°C | | |
| Environment Conditions | IP40 | | |
| Dimensions | 268*170*50mm | | |
| Weight | ≤4KG | | |
| Power Supply | Input AC100~240V,output DC9V / 5A | | |
| CE Regulations | | | |
| DIRECTIVE 2014/53/EU | Safety | EN 62311:2020 | |
| | Health | EN 50385:2017 | |
| | EMC | ETSI EN 301 489-1 V2.2.3 (2019-11) | |
| | Radio Spectrum | EN 301 908-1 V11.1.1 (2016-07) EN 301 908-11 V11.1.2 (2017-01) | |

