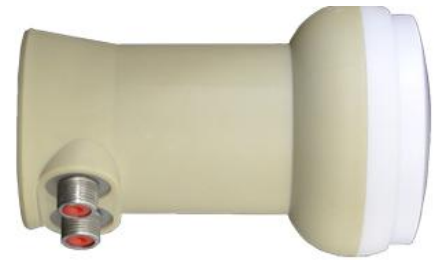


The BC23LNB0203 series is powerful in its ability to receive, convert, and amplify satellite signals, providing high-quality signal input, enhancing picture quality, and signal stability.



Main Features

- Wide input frequency range, capable of receiving signals from multiple satellites
- Excellent anti-interference performance, suppressing interference from other frequencies, polarizations, or unrelated signal sources, ensuring signal purity and clarity
- High reliability and durability, capable of operating in various weather conditions and withstanding external factors such as vibrations and impacts
- Simplified installation and operation

Specification

| Item | Parameter |
|-------------------------------------|---|
| Input Frequency | 10.7 ~ 11.7 GHz |
| | 11.7 ~ 12.75 GHz |
| Output Frequency | 950 ~ 1950 MHz |
| | 1100 ~ 2150 MHz |
| LO Frequency | 9.75/10.6 GHz |
| LO Initial Accuracy(@25°C) | ± 1 MHz |
| LO Temperature Drift(@-40~60°C) | ± 3MHz |
| LO Phase Nosis | -60 dBc/Hz @ 1 KHz offset |
| | -80 dBc/Hz @ 10 KHz offset |
| | -100 dBc/Hz @ 100 KHz offset |
| Noise Figure | 0.1 dB(min), 0.3 dB(typical), 0.5 dB(max) |
| Conversion Gain | 50 dB(Min.) |
| Gain Variation(over operating band) | 5 dB p-p(typical) |
| Gain Flatness | ±0.5 dB |
| Cross Pole. Isolation | 20 dB(min), 25 dB(typical) |
| Image Rejection | ≥40 dB |
| P 1dB | 0 dB(min) |
| Output VSWR | 2:1 |
| DC Current Consumption | 180mA |
| LO Spurious | -45 dBm(max) |

| Item | Parameter |
|--------------------------------|---------------------------|
| Spurious Response(@1700MHz) | -58 dBm(max) |
| Polarization Switching Voltage | Vertical: 10.5 ~ 14.2 V |
| | Horizontal: 15.5 ~ 21 V |
| Band Switching | Low: 0 KHz |
| | High: 22 ± 4 KHz |
| Operation Temperature | -40 ~ 60 °C |
| Waterproof | 60 °C water for 5 minutes |
| Output Connector | 75 Ω F Type × 2 port |