

The BC23LNB0103 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 × 1 port