

## Q- band LNBC Specifications

S.No	Parameter	Specifications
1.	Input Frequency	38.0 – 40 GHz
2.	Output Frequency	950-1950 MHz
3.	Input VSWR	<1.5:1
4.	Output VSWR	<2.0:1
5.	Gain	60 dB min
6.	Gain Flatness over whole Band	± 2.0 dB
7.	Gain Variation over temperature	± 2.0 dB over whole range
8.	Gain stability over 24 hours	± 0.25 dB
9.	Noise figure	≤2.8 dB
10.	Phase Noise	IESS 308/309 compliant
11.	Output P1 dB	≥ + 10 dBm
12.	Output 3 <sup>rd</sup> order intercept point	≥ +15 dBm
13.	Spurious (@Pout = 0 dBm)	≤-60 dBc
14.	DC input voltage (Multiplexed with output Cable)	12-24 VDC
15.	10 MHz reference (Multiplexed with output Cable)	External; -3 to 0 dBm
16.	Operating temperature	-20 to +55 deg C
17.	Storage temperature	-40 to +85 deg C
18.	Relative humidity	100% condensing
19.	Rx input interface	WR-22 (UG-383/U)
20.	Rx output interface	N Type (F)
21.	Enclosure	IP-67 compliant
22.	Weight	≤500 grams
23.	Warranty	3 years
24.	Delivery	≤ 32 Weeks

**Note:**

1. Compliance or non-compliance to be provided against each of the specifications.
2. If possible, please specify the targeted/achievable specifications
3. All essential operating accessories like connector, cables, mains cord, operating software, operating manual, data sheet along with Part No., test results must be provided.