

## QLB-3700-4200-60-50

### 3.7~4.2GHz, 60dB, 50K, C-Band

**Features:**

- \* Broad Band
- \* Low Noise Temperature
- \* Anti 5G Interference

**Applications:**

- \* Satellite Earth Station
- \* Laboratory Test
- \* Telecommunication

**Electrical**


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Input RF Frequency:	3.7~4.2GHz
Output IF Frequency:	950-1450MHz
Gain:	60dB
Gain Flatness:	4dB/500MHz max.
Noise Temperature:	50K typ.
Output Power (P1dB):	12dBm min.
Input Power:	0dBm
Non Damaging Input Power:	+20dBm max.
Input/Output VSWR:	2.5/2.0
Stopband Attenuation:	-80dB@3.4GHz -60dB@3.5GHz -50dB@3.6GHz -60dB@4.5GHz -90dB@4.8GHz
Phase Noise (Int.Ref.):	-65dBc/Hz@100Hz max. -80dBc/Hz@1KHz max. -83dBc/Hz@10KHz max. -93dBc/Hz@100KHz max.
Frequency Stability:	±1ppm
External Reference:	10MHz, 0±3dBm
Voltage:	12~18V DC
Current:	200mA typ.
Impedance:	50Ω

**Environmental**


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Operating Temperature:	-40~+60°C
Non-Operating Temperature:	-40~+80°C

**Mechanical**


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RF Input Waveguide Size:	WR-229 (BJ40)
Flange:	FDM40
Ext.Ref. Input (10MHz)/	50Ω N Female/50Ω SMA
IF Output Connector:	Female/75Ω F Inch Thread
	Female
Weight:	720g

**Outline Drawings**

To be done.

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

**How To Order**

**QLB-3700-4200-60-50-Z**

Z: Output connector type

Connector naming rules:

N - N Female

S - SMA Female

F - F Inch Thread Female

Examples:

To order a Block Downconverter (LNB), 3.7~4.2GHz, 60dB, 50K, N female, specify QLB-3700-4200-60-50-N.

Customization is available upon request.