

QLB-3800-4200-60-50

3.8~4.2GHz, 60dB, 50K, C-Band

Features:

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

Applications:

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

Electrical

Input RF Frequency:	3.8~4.2GHz
Output IF Frequency:	950-1350MHz
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@3.5GHz -60dB@3.6GHz -50dB@3.7GHz -50dB@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

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

Mechanical

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-3800-4200-60-50-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), 3.8~4.2GHz, 60dB, 50K, N female, specify QLB-3800-4200-60-50-N.

Customization is available upon request.