

QLB-3625-4200-60-50

3.625~4.2GHz, 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: | 3.625~4.2GHz |
| Output IF Frequency: | 950-1525MHz |
| 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: | -55dB@3.4GHz -50dB@3.5GHz -40dB@3.6GHz -65dB@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-3625-4200-60-50-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), 3.625~4.2GHz, 60dB, 50K, N female, specify QLB-3625-4200-60-50-N.

Customization is available upon request.