

QLB-3700-4200-60-40

3.7~4.2GHz, 60dB, 40K, C-Band

Features:

- * Broad Band
- * Low Noise Temperature
- * Low Input VSWR

Applications:

- * Fixed Station
- * Mobile Station
- * Laboratory Test

Electrical

Input RF Frequency:	3.7~4.2GHz
Output IF Frequency:	950~1450MHz
LO Frequency:	5.15GHz
Gain:	60dB
Gain Flatness:	±2.0dBp-p/500MHz max.
Noise Temperature:	40K
Output Power (Psat):	10dBm min.
Input/Output VSWR:	1.35/1.5
Phase Noise:	-65dBc/Hz@100Hz max. -75dBc/Hz@1KHz max. -82dBc/Hz@10KHz max. -92dBc/Hz@100KHz max.
Frequency Stability:	±1ppm max. @Internal Reference
External Reference:	10MHz, 0±3dBm
Voltage:	12~18V DC
Current:	200mA typ.
Impedance:	50Ω

Mechanical

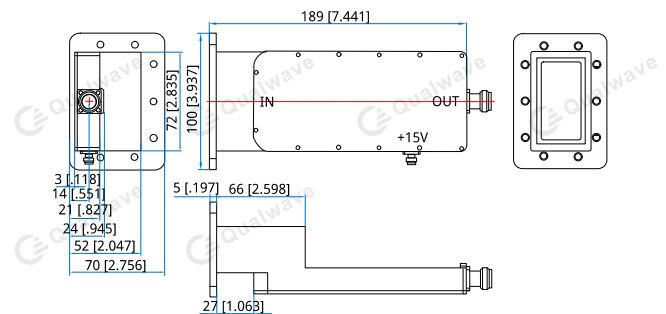
Size*1:	189*100*70mm 7.441*3.937*2.756in
RF Input Waveguide Size:	WR-229 (BJ40)
Flange:	FDM40
Ext.ref. Input(10MHz)/	50Ω N Female/50Ω SMA
IF Output Connector:	Female/75Ω F Inch Thread Female
Weight:	570g max.

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+60°C
Operating Humidity:	0~100%

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

QLB-3700-4200-60-40-Z

Z: Output connector type

Connector naming rules:

- N - N female
- S - SMA female
- F - F Inch Thread female

Examples:

To order a Block Downconverters (LNBs), 3.7~4.2GHz, 60dB, 40K, N female, specify QLB-3700-4200-60-40-N.

Customization is available upon request.