

QLB-17700-21200-60-170

17.7~18.7/18.7~19.7/19.2~20.2/20.2~21.2GHz, 60dB, 170K, Ka-Band

Features:

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

Applications:

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

Electrical

Gain:	60dB
Gain Flatness:	4.0dBp-p max.
Noise Temperature:	170K
Output Power (Psat):	10dBm min.
Input/Output VSWR:	1.35/1.5
Phase Noise:	-70dBc/Hz@1KHz max. -80dBc/Hz@10KHz max. -90dBc/Hz@100KHz max.
Frequency Stability:	±1ppm max. @Internal Reference
External Reference:	10MHz, 0±3dBm
Voltage:	12~24V DC
Current:	300mA typ. @15V
Impedance:	50Ω

Input RF Frequency (GHz)	Output IF Frequency (MHz)	LO Frequency (GHz)	Control Voltage (LO) (V)
17.7~18.2	950~1450	16.75	12-15
18.2~19.2	950~1950	17.25	15-18
19.2~20.2	950~1950	18.25	18-21
20.2~21.2	950~1950	19.25	21-24

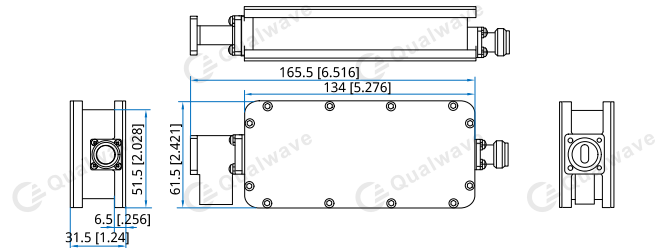
Mechanical

Size*1:	134*61.5*31.5mm 5.276*2.421*1.24in
RF Input Waveguide Size:	WR-42 (BJ220)
Flange:	FBM220
Ext.ref. Input(10MHz)/	N Female /SMA Female /75Ω F
IF Output Connectors:	Inch Thread Female
Weight:	440g 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-17700-21200-60-170-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), 17.7~21.2GHz, 60dB, 170K, N female, specify QLB-17700-21200-60-170-N.

Customization is available upon request.