

QLB-17300-22300-60-170-1

17.3~18.55/18.55~19.8/19.8~21.05/21.05~22.3GHz, 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:	500mA typ. @15V
Impedance:	50Ω

Input RF Frequency (GHz)	Output IF Frequency (MHz)	LO Frequency (GHz)	Control Voltage (LO) (V)
17.3~18.55	950~2200 /950~2200	16.35/22	13
18.55~19.8	950~2200 /950~2200	17.6/22	13 @22KHz
19.8~21.05	950~2200 /950~2200	16.35/23.25	18
21.05~22.3	950~2200 /950~2200	17.6/23.25	18 @22KHz

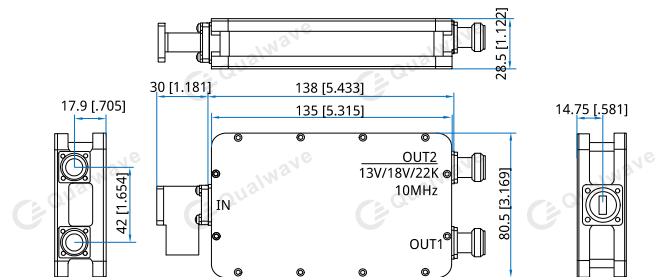
Mechanical

Size*1:	135*80.5*28.5mm 5.315*3.169*1.122in
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:	530g 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-17300-22300-60-170-1-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), 17.3~22.3GHz, 60dB, 170K, N female, specify QLB-17300-22300-60-170-1-N.

Customization is available upon request.