

# QLB-20200-22200-60-150

20.2~21.2GHz, 21.2~22.2GHz, 60dB, 150K, 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:	150K
Output Power (Psat):	10dBm min.
Input/Output VSWR:	2.5/2.0
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)
20.2~21.2	950~1950	19.25	13
21.2~22.2	950~1950	20.25	18

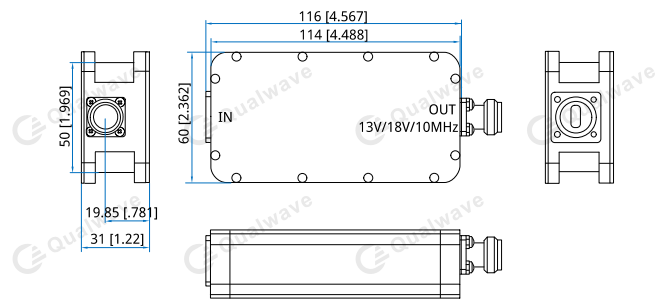
**Mechanical**

Size*1:	116*60*31mm 4.567*2.362*1.22in
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:	400g 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-20200-22200-60-150-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), 20.2~22.2GHz, 60dB, 150K, N female, specify QLB-20200-22200-60-150-N.

Customization is available upon request.