

QBC-30000-31000-65-37.8S

Ka-Band, 30~31GHz, 65dB, 6W (37.8dBm)

Features:

- * Low Power Consumption
- * High Power Threshold Setting
- * Fully Modular Design
- * Integrated Structural Design

Applications:

- * Satellite Earth Station
- * Satellite Communication
- * Telecommunication

Electrical

| | |
|----------------------|--|
| RF Frequency: | 30~31GHz |
| IF Frequency: | 1000~2000MHz |
| Output Power (Psat): | 6W (37.8dBm) |
| Power Consumption: | 60W |
| Small Signal Gain: | 65dB |
| Gain Flatness: | 3dB/500MHz, 4dB/1000MHz max. |
| Gain Stability: | 3dB max. |
| Attenuation Control: | 0~20dB, step 0.1dB |
| IM3: | -25dBc |
| Spurious: | -55dBc |
| Input/Output VSWR: | 1.5/1.35 |
| Phase Noise: | -63dBc/Hz@100Hz -73dBc/Hz@1KHz -83dBc/Hz@10KHz -93dBc/Hz@100KHz |
| External Reference: | 10MHz, 0±5dBm |
| Supply Voltage: | +20~+60VDC |
| Impedance: | 50Ω |

Environmental

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

Mechanical

| | |
|-------------------------------|--|
| IF, Ext.ref. input connector: | 50Ω N Female/75Ω F Inch Thread Female |
| Output Waveguide Size: | WR-28 (BJ320) |
| Flange: | FBM320 |
| Power Supply: | Aviation socket |
| Weight: | 1.5Kg |

[1] Exclude connectors.

Outline Drawings

To be done.

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

QBC-30000-31000-65-37.8S-X

X: Input connector type

Connector naming rules:

N - N female

F - F Inch Thread female

Examples:

To order a Block Up Converter (BUC), 30~31GHz, 65dB, 6W (37.8dBm), N female, specify QBC-30000-31000-65-37.8S-N.

Customization is available upon request.