

## QBC-13750-14500-60-39S

Ku-Band, 13.75~14.5GHz, 60dB, 8W (39dBm)

**Features:**

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

**Applications:**

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

### Electrical

RF Frequency:	13.75~14.5GHz
IF Frequency:	950~1700MHz
Output Power (Psat):	8W (39dBm) min.
Power Consumption:	65W
Small Signal Gain:	60dB typ.
Gain Flatness:	±2dB
IM3:	-25dBc
Spurious:	-55dBc max.
Input/Output VSWR:	2.0/2.0
Phase Noise:	-60dBc/Hz@100Hz -70dBc/Hz@1KHz -80dBc/Hz@10KHz -90dBc/Hz@100KHz
External Reference:	10MHz, 0±5dBm
Supply Voltage:	+18~+36VDC
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-75 (BJ120)
Power Supply:	IFL
Flange:	FBM120
Weight:	1.2Kg

[1] Exclude connectors.

### Outline Drawings

To be done.

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### How To Order

**QBC-13750-14500-60-39S-X**

X: Input connector type

Connector naming rules:

N - N female

F - F Inch Thread female

Examples:

To order a Block Up Converter (BUC), 13.75~14.5GHz, 60dB, 8W (39dBm), N female, specify QBC-13750-14500-60-39S-N.

Customization is available upon request.