

# QBC-13750-14500-60-38S

Ku-Band, 13.75~14.5GHz, 60dB, 6W (38dBm)

**Features:**

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

**Applications:**

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

**Electrical**


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RF Frequency:	13.75~14.5GHz
IF Frequency:	950~1700MHz
Output Power (Psat):	6W (38dBm)
Power Consumption:	48W
Small Signal Gain:	60dB typ.
Gain Flatness:	±2dB
Gain Stability:	4dB max.
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**


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

**Mechanical**


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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-13750-14500-60-38S-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, 6W (38dBm), N female, specify QBC-13750-14500-60-38S-N.

Customization is available upon request.