QBC-13750-14500-63-36S

Ku-Band, 13.75~14.5GHz, 63dB, 4W (36dBm)

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):	4W (36dBm)
Power Comsumption:	28W typ. @Prated
Small Signal Gain:	63dB
Gain Flatness:	4dB/500MHz, 5dB/750MHz max.
Gain Stability:	4dB max.
IM3:	-25dBc
Spurious:	-50dBc
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 (IF power supply)
Impedance:	50Ω

Environmental

Operating Temperature:	-40~+60℃
Operating Humidity:	0~100% (Condensing)

Mechanical

IF, Ext.ref. input connector:	50Ω N Female/75Ω F Inch Thread Female
Output Waveguide Size:	WR-75 (BJ120)
Power Supply:	50Ω N Female/75Ω F Inch Thread Female
Weight:	0.5Kg

[1] Exclude connectors.

Outline Drawings

To be done.

Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]

How To Order

QBC-13750-14500-63-36S-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, 63dB, 4W (36dBm), N female, specify QBC-13750-14500-63-36S-N.

Customization is available upon request.