QBC-13750-14500-70-53S

Ku-Band, 13.75~14.5GHz, 70dB, 200W (53dBm)

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):	200W (53dBm)
Power Comsumption:	1500W
Small Signal Gain:	70dB
Gain Flatness:	3dB/500MHz, 4dB/750MHz max.
Attenuation Control:	0~20dB, step 0.1dB
IM3:	-25dBc
Spurious:	-60dBc
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:	85~265V AC, 47~63Hz
Impedance:	50Ω

Environmental

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

Mechanical

IF, Ext.ref. input connector:	50Ω N Female/75Ω F Inch Thread Female
Output Waveguide Size:	WR-75 (BJ120)
Flange:	FBM120
Power Supply:	Aviation socket
Monitor:	Aviation socket (Ethernet port)
Weight:	12Kg

[1] Exclude connectors.

Outline Drawings

To be done.

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

How To Order

QBC-13750-14500-70-53S-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, 70dB, 200W (53dBm), N female, specify QBC-13750-14500-70-53S-N.

Customization is available upon request.