

FBC-14000-14500-60-39S Ku-Band, 14~14.5GHz, 60dB, 8W (39dBm)

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|---|---|
| Features:
* Low Power Consumption
* High Power Threshold Setting
* Fully Modular Design
* Integrated Structural Design | Applications:
* Satellite Earth Station
* Satellite Communication
* Telecommunication |
|---|---|

Electrical

RF Frequency:	14~14.5GHz
IF Frequency:	950~1450MHz
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

FBC-14000-14500-60-39S-X

X: Input connector type

Connector naming rules:

- N - N female
- F - F Inch Thread female

Examples:

To order a Block Up Converter (BUC), 14~14.5GHz, 60dB, 8W (39dBm), N female, specify FBC-14000-14500-60-39S-N.

Customization is available upon request.