

FBC-30000-31000-65-37.8S

Ka-Band, 30~31GHz, 65dB, 6W (37.8dBm)

Features:

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

Applications:

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

Electrical

RF Frequency:	30~31GHz
IF Frequency:	1000~2000MHz
Output Power (Psat):	6W (37.8dBm)
Power Consumption:	60W
Small Signal Gain:	65dB
Gain Flatness:	3dB/500MHz, 4dB/1000MHz max.
Gain Stability:	3dB max.
Attenuation Control:	0~20dB, step 0.1dB
IM3:	-25dBc
Spurious:	-55dBc
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:	+20~+60VDC
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-28 (BJ320)
Flange:	FBM320
Power Supply:	Aviation socket
Weight:	1.5Kg

[1] Exclude connectors.

Outline Drawings

To be done.

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

FBC-30000-31000-65-37.8S-X

X: Input connector type

Connector naming rules:

N - N female

F - F Inch Thread female

Examples:

To order a Block Up Converter (BUC), 30~31GHz, 65dB, 6W (37.8dBm), N female, specify FBC-30000-31000-65-37.8S-N.

Customization is available upon request.