

FBC-5850-6425-75-50S

C-Band, 5.85~6.425GHz, 75dB, 100W (50dBm)

Features:

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

Applications:

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

Electrical

RF Frequency:	5.85~6.425GHz
IF Frequency:	950~1525MHz
Output Power (Psat):	100W (50dBm)
Power Consumption:	500W
Small Signal Gain:	75dB
Gain Flatness:	3dB/575MHz, 4dB/875MHz max.
Attenuation Control:	0~20dB, step 0.1dB
IM3:	-25dBc
Spurious:	-55dBc
Input/Output VSWR:	1.5/1.35
Phase Noise:	-65dBc/Hz@100Hz -75dBc/Hz@1KHz -85dBc/Hz@10KHz -95dBc/Hz@100KHz
External Reference:	10MHz, 0±5dBm
Supply Voltage:	+220 VAC
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-137 (BJ70)
Flange:	FDM70
Power Supply:	Aviation socket
Monitor:	Aviation socket (Ethernet port)
Weight:	10Kg

[1] Exclude connectors.

Outline Drawings

To be done.

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

FBC-5850-6425-75-50S-X

X: Input connector type

Connector naming rules:

N - N female

F - F Inch Thread female

Examples:

To order a Block Up Converter (BUC), 5.85~6.425GHz, 75dB, 100W (50dBm), N female, specify FBC-5850-6425-75-50S-N.

Customization is available upon request.