

FBC-13750-14500-70-44S

Ku-Band, 13.75~14.5GHz, 70dB, 25W (44dBm)

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 |
| LO Frequency: | 12.8GHz |
| Output Power (P _{sat}): | 25W (44dBm) |
| Power Consumption: | 120W |
| Small Signal Gain: | 70dB |
| Gain Flatness: | 3dB/500MHz, 4dB/750MHz max. |
| Attenuation Control: | 0~20dB, step 0.1dB |
| IM3: | -25dBc @Maximum output power fallback 3dB |
| Spurious: | -55dBc |
| Input/Output VSWR: | 1.5/1.35 |
| Phase Noise: | -63dBc/Hz@100Hz -75dBc/Hz@1KHz -85dBc/Hz@10KHz -95dBc/Hz@100KHz |
| External Reference: | 10MHz, 0±5dBm |
| Supply Voltage: | +18~+55VDC |
| Impedance: | 50Ω |

Environmental

| | |
|------------------------|---------------------|
| Operating Temperature: | -40~+60°C |
| Operating Humidity: | 0~100% (Condensing) |

Mechanical

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|-------------------------------|--|
| IF, Ext.ref. input connector: | 50Ω N Female/75Ω F Inch Thread Female |
| Output Waveguide Size: | WR-75 (BJ120) |
| Power Supply: | Aviation socket |
| Flange: | FBM120 |
| Weight: | 1.5Kg |

[1] Exclude connectors.

Outline Drawings

To be done.

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

FBC-13750-14500-70-44S-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, 25W (44dBm), N female, specify FBC-13750-14500-70-44S-N.

Customization is available upon request.