



- *Min. 43dBm Output P1dB over Temp*
- *Light Weight & Small Size*
- *Advanced M&C Interface [RS232/485]*
- *Field-Exchangeable IF Connector*
- *3 Year GeoSat Product Warranty*

20W C-Band Block Up-Converter (BUC)

Model: GB43SC3N



| Section | Item | Specification | |
|------------------------------------|---|-----------------------|---------------|
| Power Requirement | Voltage | 80 - 240V AC | |
| | Power Consumption | 220W max | |
| Input Characteristics | Frequency Range | 950 ~ 1700MHz | |
| | Impedance | 75 / 50 Ohms | |
| | Gain at Compression Point | > 15 dB | |
| | IF Connector | F / N-Type (Female) | |
| Output Characteristics | Frequency Range | 5.85 ~ 6.60GHz | |
| | Power @ 1dB Comp. | Min. 43dBm over temp. | |
| | RF Connector | CPR137G | |
| Transfer Characteristics | Frequency Sense | Non Inverted | |
| | Local Frequency | 4.9 GHz | |
| | External Reference Frequency | 10MHz, Sine wave | |
| | Gain | 70 dB typ. @ 25 °C | |
| | Phase Noise ▼ | | |
| | | 100Hz | < -65dBc / Hz |
| | | 1kHz | < -75dBc / Hz |
| | 10kHz | < -85dBc / Hz | |
| | 100kHz | < -95dBc / Hz | |
| Spurious | -50dBc | | |
| IMD (with 2 carries @6db back off) | -30 dBc | | |
| Mute | HPA is turned off in case of LO unlocked. | | |
| Mechanical | Dimension (mm) | 257 x 140 x 95mm | |
| | Weight | 3.0kg | |
| | Painting | White Color | |
| Operating Temperature | - 40°C ~ + 55°C | | |

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