



- Frequency Range 11.7 - 12.75 GHz
- L.O stability $\pm 5, 10, 25$ KHz max
- Power supply +12 to +24V DC
- Power connector Feed thru and/or output connector



Block Downconverter Ku-Band 1112U (BDC)

Model: GBDKU1112U5, GBDKU1112U10, GBDKU1112U25

Specifications

| Parameter | Specification |
|--|-----------------------------------|
| Input Freq. | 11.7 - 12.75 GHz |
| Output Freq. | 950 – 2000 MHz |
| L.O Freq. | 10.75 GHz |
| Noise figure | 15 dB max |
| Conversion gain at -40 to +60°C | 20 dB typ. (17dB min. 23dB max.) |
| Gain flatness | 4 dBp-p max. |
| Gain flatness at -40 to +60°C | 5 dBp-p max. |
| Gain ripple at per 27MHz, -30 to +60°C | 1 dBp-p max. |
| L.O stability at -40 to +60°C | $\pm 5, 10, 25$ KHz max. |
| Image rejection | 40 dBc min. |
| Phase noise | -70 dBc/Hz (@ 1KHz) |
| | -80 dBc/Hz (@ 10KHz) |
| | -95 dBc/Hz (@ 100KHz) |
| Output P1dB | +5 dBm min. |
| Input VSWR | 2.0: 1 max |
| Output VSWR | 2.0: 1 max |
| Input connector | SMA-type female |
| Output connector | F, N, SMA-type female (option) |
| Power supply | +12 to +24V DC |
| Power supply connector | Feed thru and/or output connector |
| Required current | 300 mA max. |
| Operating temperature | -40 to +60°C |
| Waterproof | IP 67 |
| Dimension (exclude connector) | 89.6 x 78.0 x 40.0 mm |
| Weight | 400 g |

www.geosatmicrowave.com

sales@geosatmicrowave.com

