



- Frequency Range 7.25 - 7.75 GHz
- L.O stability $\pm 10, 25$ KHz max
- Power supply +12 to +24V DC
- Power connector Feed thru and/or output connector



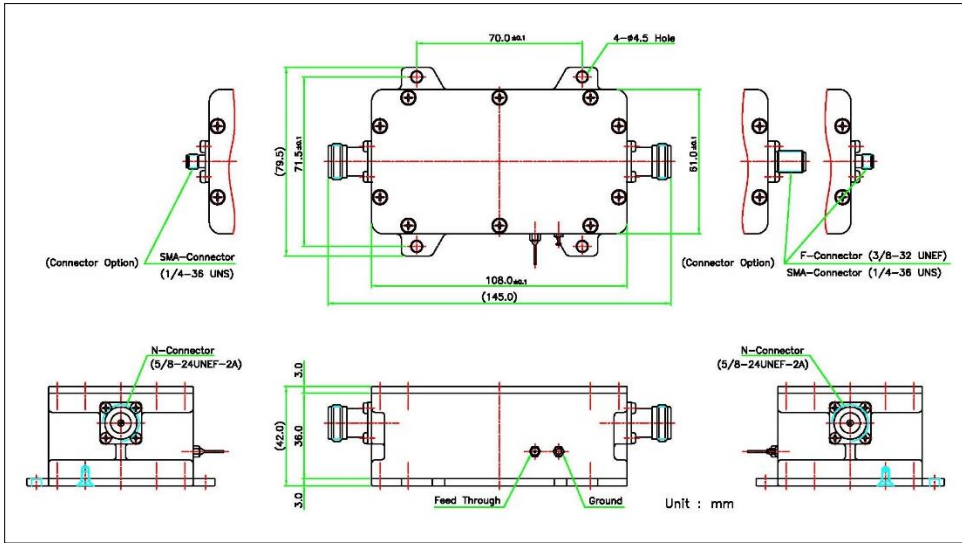
Block Downconverter X-Band 7277 (BDC)

Model: GBDX727710, GBDX727725

Specifications

| Parameter | Specification |
|--|--|
| Input Freq. | 7.25 – 7.75 GHz |
| Output Freq. | 950 - 1450MHz |
| L.O Freq. | 6.3 GHz |
| Noise figure | 13 dB max |
| Conversion gain at -40 to +60°C | 30 dB typ. (27dB min. 33dB 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 | $\pm 10, 25$ 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 | 2.2: 1 max |
| Output VSWR | 2.2: 1 max |
| Input connector | SMA, N-type female (option) |
| 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) | 108.0 x 79.5 x 42.0 mm |
| Weight | 550 g |

Mechanical Diagram (Unit: inch (mm))



www.geosatmicrowave.com

sales@geosatmicrowave.com