

Specifications

| 2 Channel X-Band to 1450MHz Down Converter | |
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| Input Frequency | 7900 to 8400 MHz |
| Type of Conversion | Double Conversion without Inversion |
| Number of Channels | 2 |
| Output Frequency | 950 - 1950 MHz |
| I/P or O/P Impedance | 50 ohms |
| Peak Gain | 30-40dB typ. |
| Gain Control | 20dB, adjustable in 0.5dB/1dB steps for each channel |
| Gain Flatness over RF Frequency Band | ≤ ± 1.0dB @ Full Band ≤ ± 0.5dB @ over 50MHz |
| Gain Stability over temperature | ± 1.0 dB over full operating temp. range |
| Noise Figure | 10 dB at max. gain 12 dB at 10 dB lower gain |
| Group delay | Linear Parabolic Ripple |
| | 0.05 ns / MHz 0.01 ns / MHz ² 1.0 ns p-p |
| Spurious Outputs | Signal Related: - 60 dBc Signal Independent: - 80 dBm max. |
| Phase Noise | 100 Hz away: -74 dBc / Hz 1 KHz away: -85 dBc / Hz 10 KHz away: -95 dBc / Hz |
| Internal Reference Stability | 1 x 10 ⁻⁷ over temperature range |
| External Reference Input | 5 / 10 MHz, 0±3 dBm, 50 ohms Internal/ External auto selection |
| RF / IF Connectors | SMA / N-type, Rear Panel |
| Input Power | 230 V , 50 Hz ± 10% |
| Operating ambient temperature | 0 to 50 deg C |
| Humidity | Up to 95 % |
| Mechanical | 19" Rack Mountable (2U Unit) |
| Colour | Light Grey (RAL 7035) |
| MTBF | > 50,000 Hours |

Applications



Aerospace



Defence



Satcom



Broad Casting

