



# 10.7 – 12.75 GHz Down Converter

- **Input Frequency (GHz)** 10.7 - 12.75
- **IF Band 1 Frequency (MHz)** 950 - 1,950
- **IF Band 2 Frequency (MHz)** 950 - 2,000
- **LO Band 1 Frequency (13 VDC) (GHz)** 9.75
- **LO Band 2 Frequency (18 VDC) (GHz)** 10.75
- **External Reference Frequency (MHz)** 10
- **Noise Figure @ 25°C (dB) Nominal/Max** 0.8/0.9
- **P1 dB Compression Min (dBm)** +13
- **Gain (dB) Min/Max** 60 - 70
- **Gain Flatness Full BW (dB)** +/-2.0
- **3<sup>rd</sup> Order Intercept (dBm)** -110
- **Image Rejection (dBc)** -75
- **Output VSWR (950 to 2000 MHz)** 1.6:1
- **Input VSWR (10.7 to 12.75 GHz)** 2:01
- **Operating Temp. (Baseplate) (oC)** +13

