



## Contact:

Servsat Communications, Inc.  
1815 Turnberry Lane  
Atlanta, GA 30005  
Tel: 1 (770) 757-1767  
e-mail: sales@servsat.com

## MMDS Downconverters

### Key Specifications/Special Features:

- Input freq. range: 2500 to 2700MHz
- Output freq.: decided by customers
- L.o. frequency:
  - 1838, 1998, 2030, 2033, 2065..., 2468MHz
- L.o. stability:  $\leq \pm 30\text{KHz}$  (-40 to +70 degree Celsius)
- Image rejection:  $\geq 50\text{dB}$
- Noise figure: 1.5dB (typ.)
- VSWR: 1.5:1
- IF rejection:  $\geq 80\text{dB}$
- PCS rejection:  $\geq 100\text{dB}$
- WCS rejection:  $\geq 50\text{dBc}$
- Gain: 36 +/- 2dB
- L.o. leakage RF-port:  $\leq -85\text{dBm}$
- L.o. leakage IF-port:  $\leq -50\text{dBm}$
- L.o. phase noise:
  - -80dBc@100Hz offset
  - -92dBc@1KHz offset
  - -93dBc@10KHz offset
  - -95dBc@100KHz offset
  - -120dBc@1MHz offset
- Output P1dB: +14dBm (typ.)
- Gain flatness over entire range:  $\leq \pm 1.5\text{dB}$
- Gain flatness:  $\leq 0.2\text{dB/channel}$
- IF output impedance: 75 ohms
- Spurious in IF band:  $\leq -100\text{dBm}$
- DC input voltage: 12V to 24V
- Input type: integrated dipole antenna
- Operating temperature: -40 to +70 degree Celsius
- Storage temperature: -40 to +80 degree Celsius
- Relative humidity: 0% to 95%

