

## 1240 – High Data Rate Satellite Receiver



### FEATURES:

- Cost-effective and Customized to Tailor to Customer Exact Requirements
- Demodulation Type: QPSK
- Fixed Data Rate: 124Mbps, Customized to Customer requirements

### Appliance:

- Telemetry

### Specs:

- IF Input Frequency:
  - 720MHz
- Input Impedance:
  - 50Ω
- Input Connector: SMA
- Input Return Loss:  $\geq 20$ dB
- Input Level: -20dBm ~ -40dBm
- Carrier Acquisition Range:  $\geq \pm 250$ KHz
- Clock Synchronisation Acquisition Range:  $\geq \pm 3.5$ KHz
- Data Rate: 124Mbps
- Carrier Acquisition Threshold:  $E_b/N_0 \leq 8.0$ dB
- BER Performance:  $E_b/N_0 = 13.5$ dB,  $P_e \leq 1 \times 10^{-6}$
- Data Output
  - I, Q Eye and CLK
  - I, Q A/D Output, 3bits
- Size: 4.4(H)\* 48.2(W)\*38.6(D), 1RU
- Weight: 3.6kg
- Environment: 0°C ~ +50°C