Synthesizer
Multi Output Indirect/DDS Synthesizer, L-Band
Model: SYN151

Features:

- Two Independent Agile Frequency Outputs
- One Fixed Frequency Output (360 MHz)
- Sub-Hertz Available Step Size
- Low Spurious Levels <-80 dBC
- Extended Temperature Range

Electrical Specifications

- Frequency Range: L-Band +100 MHz (RF #1 & RF #2)
- Step Size: <1 Hz
- Power On: <200 ms
- Switching Speed: 200 µs
- SSB Phase Noise:
  - 10 kHz <-70 dBc/Hz
  - 100 kHz <-70 dBc/Hz
  - 1 MHz <-100 dBc/Hz
- Frequency Range: 360 MHz (RF #3)
- Output Power: 11 dBm +/- 2 dBm (RF #1 & RF #2), 0 dBm +/- 1 dBm (RF #3)
- Spurious: <1 MHz, -65 dBc
  - 1 MHz to 80 MHz, -80 dBc
- Harmonics: <-24 dBc
- Tuning Control: 7 bit TTL
- DC Power: +15V, 600 mA Max

Environmental Specifications

- Environment: Airborne
- Survival Temperature: -54 to +76°C
- Operating Temperature: -54 to +76°C
- Radiation: Exceeds MIL-STD-461 EMI Requirements

Mechanical Specifications

- Package: Aluminum, Chromate
- Conversion Size (nominal): 7.4” X 4.5” X 1.285”
- Weight (nominal): 2.2 lbs

Connectors

- RF: SMA
- Digital /DC: Filtered 25 pin D Connector (M24308/4-337)

Specifications subject to change without notice.

TRAK Microwave Corporation
E-Mail: sales@trak.com  •  www.trak.com
Ph: 813-901-7200  •  US Toll Free: 1-888-283-8444
4726 Eisenhower Boulevard  •  Tampa, Florida 33634-6391 USA