

NXS Series Frequency Synthesizer - Sample Specifications (NXS-I-0850)

| | Frequency Synthesizer |
|--|--------------------------------|
| Frequency Range in GHz | 8.5 to 9.6 GHz |
| Output Power in dBm (over temp) | > 20 |
| Power Variation in dB (over temp) | < +/- 1.5 |
| Frequency Step Size | 100 KHz |
| Frequency Accuracy (over temp) | < +/- 1 ppm |
| Switching speed | < 1.5 msec |
| Turn-on time (DC in to RF lock) | 500 msec |
| Harmonics in dBc (typ) | < -45 dBc |
| Spurious | < -80 dBc |
| Typical Phase Noise in dBc/Hz @ 10 Hz offset | < -53 dBc |
| @ 10KHz offset | < -100 dBc |
| @ 1MHz offset | < -120 dBc |
| | |
| Operating Temperature (base plate) | -40 to +70 deg C |
| Power Supply | TBD |
| Outline: | TBD |
| Phase noise plots (in GHz) | 8.5 to 9.6 GHz |