

# WaveSources

Reno, Nevada 775-322-0968

---

LCFP10064120

Surface Mount Fixed Frequency Synthesizer

641 MHZ

---

Electrical Specifications, Data @ 25°C - Specifications subject to change without notice

| PARAMETER                     | TEST CONDITIONS | UNITS  | MIN    | TYPICAL | MAX    |
|-------------------------------|-----------------|--------|--------|---------|--------|
| FREQUENCY RANGE               |                 | MHZ    |        | 641.000 |        |
| REFERENCE FREQUENCY           |                 | MHZ    |        | 10      |        |
| STEP SIZE                     |                 | KHZ    |        | 20      |        |
| OUTPUT POWER <sup>1,2</sup>   |                 | dBm    |        | 5.0     |        |
| POWER FLATNESS <sup>1,2</sup> |                 | dBm    |        |         | +/-2   |
| HARMONICS <sup>ALL</sup>      |                 | dBc    |        | -45     | -20    |
| SPURIOUS                      |                 | dBc    |        | <-70    | -70    |
| PHASE NOISE                   | SSB @ 1KHZ      | dBc/HZ |        | -75     | -55    |
|                               | SSB @ 10KHZ     | dBc/HZ |        | -95     | -80    |
|                               | SSB @ 100KHZ    | dBc/HZ |        | -115    | -100   |
|                               | SSB @ 1000KHZ   | dBc/HZ |        | -128    | -115   |
| TEMP RANGE                    |                 | °C     | -20    |         | 70     |
| VCC                           |                 | V      | +11.75 | +12.0   | +12.25 |
| ICC                           |                 | MA     |        |         | 65     |

1. All data specified are with a 50-Ohm load termination.
2. Power Flatness is specified @ MIN, MAX frequencies, and Temp Range.