FREQUENCY SYNTHESIZER

查询"453014"供应商

Model 453014

500 - 600 MHz

Features

- Low Phase Noise
- Low Spurious Outputs
- High Reliability
- Internal Reference Model

Specifications

CHARACTERISTIC	TYPICAL Ta = +25 ºC	MIN/MAX Ta = -10ºC to +60 ºC
Frequency (MHz)	500 - 600	500 - 600
Output Power (dBm)	+13	0 / +17.0
Step Size (MHz)	1	—
Stability (ppm)	±10	—
Harmonics (dBc)	-20	-15 Max.
Spurious (dBc)	-80	-80 Max.
Phase Noise (500 MHz)	-61 dBc/Hz @ 10 Hz -77 dBc/Hz @100 Hz -80 dBc/Hz @ 1 kHz -81 dBc/Hz @ 10 kHz -138 dBc/Hz @ 100 kHz -148 dBc/Hz @ 1 MHz	—
Power Vdc mA	+15 70	+15 90 Max.

NOTE: Care should always be taken to effectively ground the case of each unit.

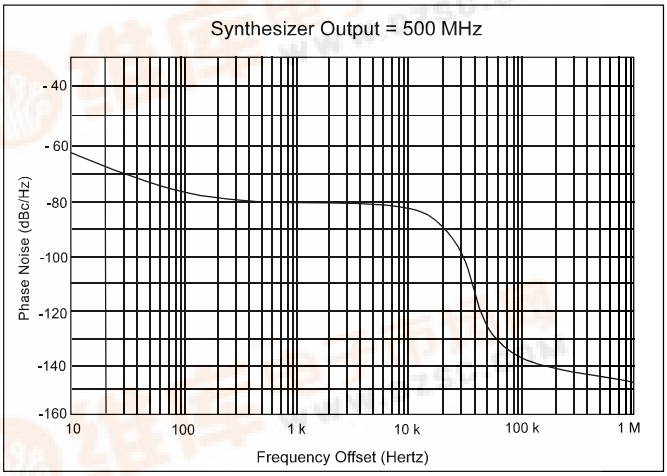
Absolute Maximum Ratings

Ambient Operating Temperature ..... -55ºC to +100 ºC
Storage Temperature ..... -62ºC to +125 ºC
Case Temperature ..... +125 ºC
DC Voltage ..... +24 Volts
Maximum DC Tuning Voltage ..... +20 Volts
Minimum DC Tuning Voltage ..... 0 Volts

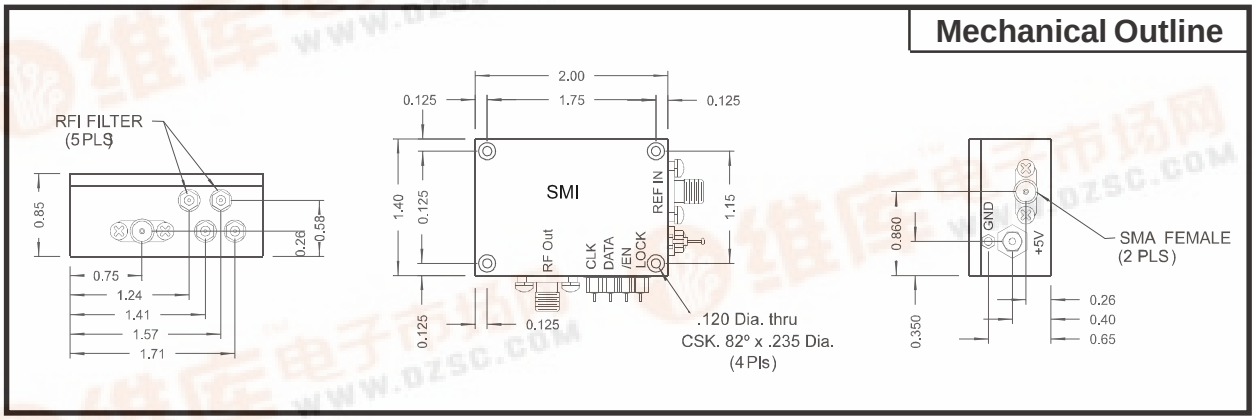
Spectrum Microwave can design a synthesizer to meet your requirements, from low-cost surface mount commercial units to complex multiple conversion designs for military and space applications.

We have delivered units with step sizes from 0.002 Hz to 200 MHz, 5-microsecond switching speeds, automatically switched back-up references, direct digital synthesis, and many other special features.

Typical Performance Data



Mechanical Outline



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