

Description

The SYN series are frequency synthesizers using a PLL chip. The SYN-10G-01 can be configured as a tunable frequency type and a fixed frequency type. The SYN series can be used as a low phase noise signal source for low cost microwave radios and general RF and microwave systems.

Features

- ✓ Low cost
- ✓ Fixed or Tunable frequency type
- ✓ Uses fractional-N synthesizer
- ✓ +3 V and +5 V power supply



Specifications

Parameters	Specifications
Output Frequency	9600 MHz ~ 10100 MHz
Minimum Freq. Step	Reference freq. / 1024
Output Power	+9 dBm
Output Power Variations	±2 dB
Input Reference Frequency	10 ~ 250 MHz
In-band Spurious	-40 dBc min.
Phase Noise	-70 dBc min. @1kHz -90 dBc min. @10kHz -115 dBc min. @100kHz -135 dBc min. @1MHz
Out-band Spurious	-40 dBc min.
Lock Detect	+3 V
DC Power Requirements	+5V @ 220mA, +3V @ 12mA
Size [mm]	67 × 62 × 11.5