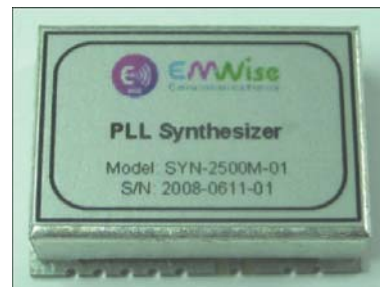


**Description**

The SYN series are frequency synthesizers using a PLL chip. The SYN-2500M-01 is a tunable frequency type which can be controlled by a computer. 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.
- ✓ Uses fractional-N synthesizer.
- ✓ +3 V and +5 V power supply
- ✓ SMT type
- ✓ Controlled by a computer

**Specifications**

Parameters	Specifications
Output Frequency	2400 MHz ~ 2550 MHz
Minimum Freq. Step	Reference freq. / 4095
Output Ppower	-1 dBm
Output Power Variations	±2 dB
Input Reference Frequency	10 ~ 250 MHz
In-band Spurious	-40 dBc min.
Phase Noise	-82 dBc min. @1kHz -102 dBc min. @10kHz -127 dBc min. @100kHz -147 dBc min. @1MHz
Out-band Spurious	-40 dBc min.
Lock Detect	+3 V
DC Power Requirements	+5 V @ 20mA, +3 V @ 12 mA
Size [mm]	30 × 20