

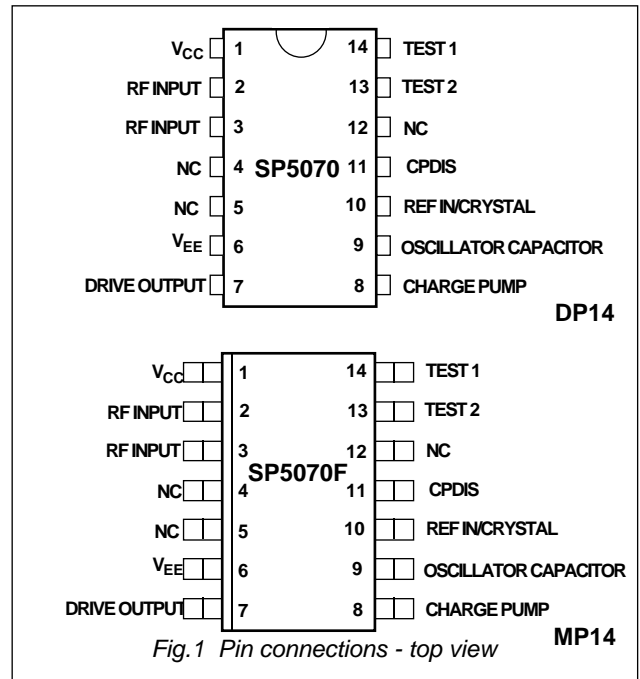
The SP5070 is a single modulus frequency synthesiser for use in Satellite TV receivers and together with an appropriate voltage controlled oscillator (VCO), forms a complete phase locked loop (PLL) synthesiser. The circuit consists of a prescaler with preamplifier and a fixed modulus divider. The phase comparator is fed with a reference frequency derived from an external oscillator or crystal. The comparator has a charge pump output amplifier stage around which feedback may be applied. Only an external transistor is required for varicap line driving.

FEATURES

- Low Power Consumption (5V, 47mA typ.)
 - Prescaler and Preamplifier Included
 - Charge Pump Amplifier with Feedback Point
 - Charge Pump Disable Facility
 - Synthesises Frequencies up to 2.4GHz
 - Pin and Function Compatible with SP5060 and SP5062
 - Full ESD Protection*
- * Normal ESD handling procedures should be observed.

APPLICATIONS

- Satellite TV
- High IF Cable Tuning Systems
- C-Band with Frequency Doubling Mixer



ORDERING INFORMATION

- SP5070 DP - (14 Lead Plastic Package)
- SP5070F MP - (14 Lead Miniature Plastic Package)

