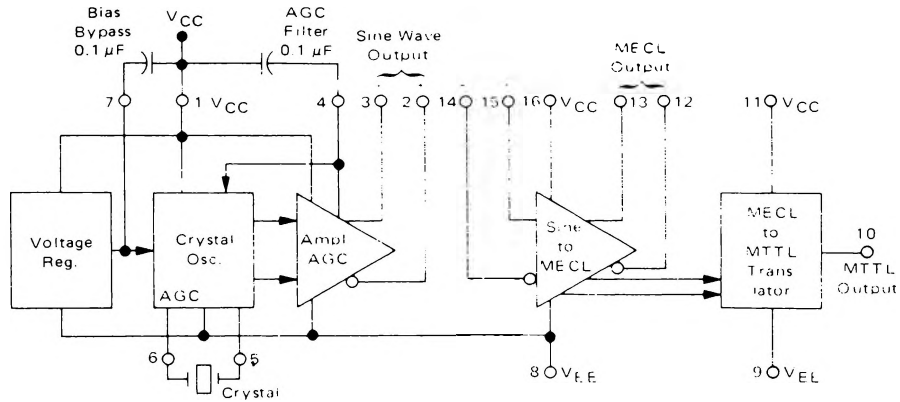


### Crystal Oscillator

The MC12060/12560 and MC12061/12561 are designed for use with an external crystal to form a crystal controlled oscillator. In addition to the fundamental series

mode crystal, two bypass capacitors are required (plus usual power supply pin bypass capacitors). Translators are provided internally for MECL and MTTL outputs.

- Frequency Range
  - = 100 KHz to 2.0 MHz for MC12060/12560
  - = 2.0 MHz to 20 MHz for MC12061/12561
- Temperature Range
  - = -55 °C to +125 °C for MC12560/12561
  - = 0 °C to +70 °C for MC12060/12061
- Single Supply Operation:
  - +5.0 Vdc or 5.2 Vdc
- Three Outputs Available:
  1. Complementary Sine Wave (600 mVp-p typ)
  2. Complementary MECL
  3. Single Ended MTTL



Note. 0.1 μF power supply pin bypass capacitors not shown.

MC12060/12560 • MC12061/12561

PHASE-LOCKED LOOP