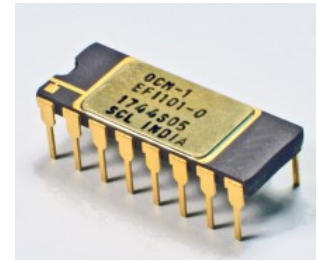


## FOUR CHANNEL, 5MHz, 3000pF, CLOCK DRIVER



SCL Part No.

EF1101-0

### PRODUCT DESCRIPTION:

The FT CCD detectors are envisaged to use in high-resolution application designs. Detector clocks requirements for external TDI operation are more complex due to large capacitive drive requirements. The clock drivers need to drive a high capacitive load ~3000pF. A 4 channel clock driver having one 3000pF, one 150pF, one 50pF, and one 25pF channel driving capabilities has been developed.

### FEATURES:

- 3.3V power supply for VDD1
- 5 MHz operating frequency
- Four channels input
- Input level shifters
- $0.6V \geq V_L \geq 0V$
- $12V \leq V_H \leq 14V$
- Low power dissipation (<4W at 5MHz)
- $t_R=50ns$ ,  $t_F=44ns$  at 3000pF load
- $t_R=5ns$ ,  $t_F=6ns$  at 150pF load
- $t_{PLH}= 24ns$ ,  $t_{PHL} = 25ns$  delay
- Matched rise and fall time <7ns
- Matched propagation delay match <2ns
- Hermetic sealed 16 pin Lead side brazed package
- Operating Temperature: -55°C to +125°C

