

# Pulse generator for NMOS linear image sensor driver circuit

## C8225 series

### Pulse generator for NMOS linear image sensor



C8225

C8225 series is a pulse generator specifically designed for NMOS linear image sensor driver circuits. C8225 series provides the driver circuits with a master start pulse and master clock pulse which can be preset by rotary switches.

C8225 series uses a quartz oscillator as the reference clock that delivers high-precision master start and clock pulses. When a separate pin connector and socket are installed on the circuit board, C8225 series can be mounted directly on C7883/C7884/C7885 series image sensor driver circuit board.

#### Features

- Directly mountable on C7883/C7884/C7885 series
- Compact (compared to conventional type C4091)
- Single power supply (+5 V) operation

#### ■ Selection guide

Type No.	Description	Feature
C8225-01	For C7883/C7884 series	Master start interval: 1 $\mu$ s to 50 s (1-2-5 sequence) Master clock frequency: 62.5 kHz to 32 MHz Has no input/output connector.
C8225-02	For C7885 series	Master start interval: 1 $\mu$ s to 50 s (1-2-5 sequence) Master clock frequency: 46.875 kHz to 24 MHz Has no input/output connector.

Note)

- 1: Standard input/output connector is FAP-16-07#2 (made by Yamaichi, sold separately). Equivalent connectors are available from other manufacturers.
- 2: When mounting C8225 series on a driver circuit, use a 6-pin socket (PM-1 made by MAC8) on the driver circuit and a 6-pin plug (OY-003 made by MAC8) on C8225 series.
- 3: Custom products with an input/output connector pre-mounted are available on request. Please consult our sales office.
- 4: We welcome custom requests. Feel free to contact our sales office.

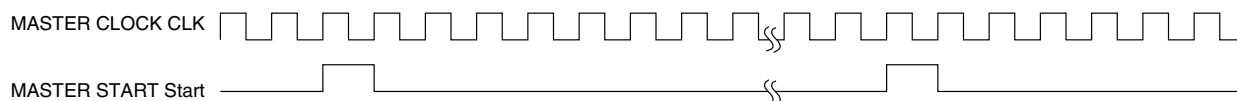
#### ■ Specifications (Ta=25 °C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Supply voltage	+Vs		+4.5	+5.0	+5.5	V
Current consumption *1	+Is	+5 V	-	-	50	mA
Operating temperature	Topr		0 to +50 *2			°C
Storage temperature	Tstg		-10 to +60 *2			°C

\*1: Current consumption depends on the clock frequency.

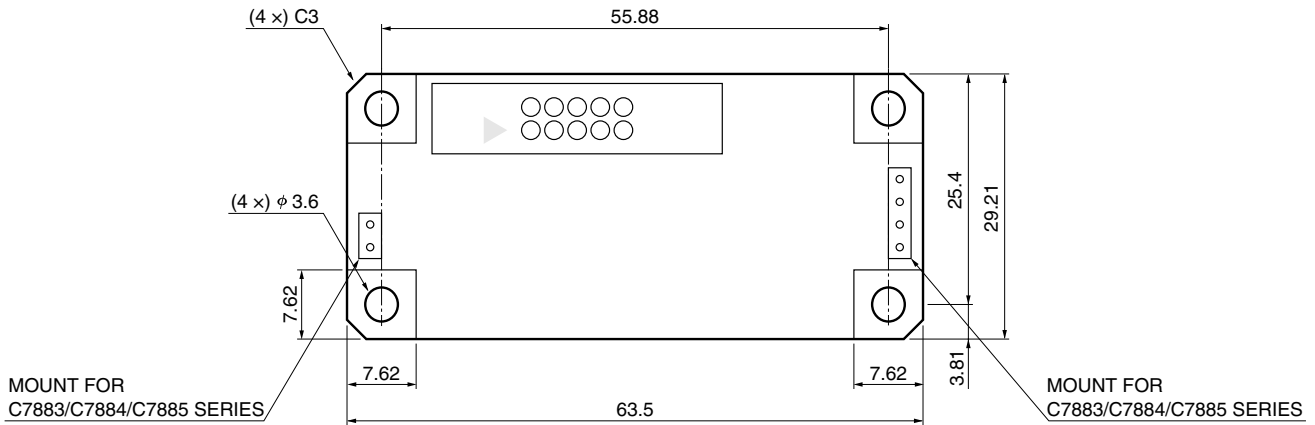
\*2: No condensation

#### ■ Timing chart



KACCC0126EA

■ Dimensional outline (unit: mm)



KACCA0087EA