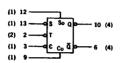
J-K FLIP-FLOPS

PLASTIC mW MRTL MC700P/800P series

## MC722P · MC822P

J-K flip-flop with direct clear and direct set inputs in addition to the clocked inputs.



CLOCKED INPUT OPERATION (3) ā C Q 1 0. ā. ı 0 1 0 ī a a 0 ā ۵.

NUMBER IN PARENTHESES INDICATES LOADING FACTOR

free = 1.0 MHz
Po = 24 mW (Only Clock input High)
20 mW (Inputs Low)

1. Clock (T) to remain unchanged.

- 2. The output state will not change when the input state goes from So = Co to So = Co = 0. The output state cannot be predetermined in the case where the input goes from So = Co = 1 to So = Co = 0.
- 3. Direct inputs (So and Co) must be low.

0 = low state

1 = high state

- $t_{\text{n}} = \text{time period prior to negative transition of clock pulse}$
- $t_{n+1} = time\ period\ subsequent\ to\ negative\ transition\ of\ clock\ pulse$ 
  - $Q_n = \text{state of Q output in time period } t_n$

