



555 Timer IC

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SKU: PH_COM_202

Price: ~~₹20.00~~ Original price was: ₹20.00. ₹6.00 Current price is: ₹6.00.

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Categories: [Basic Components](#), [Components & Spares](#), [Integrated Circuits \(ICs \)](#)

Product Description

The NE 555 P timer IC is a precision timing circuit capable of producing accurate time delays or oscillation. In the time-delay or monostable mode of operation, the timed interval is controlled by a single external resistor and capacitor network. In the astable mode of operation, the frequency and duty cycle can be controlled independently with two external resistors and a single external capacitor. The threshold and trigger levels normally are two-thirds and one-third, respectively, of VCC. These levels can be altered by the use of the control voltage terminal. When the trigger input falls below the trigger level, the flip-flop is set, and the output goes high. If the trigger input is above the trigger level and the threshold input is above the threshold level, the flip-flop is reset and the output is low. **Specifications:**

- Package : Tube
- Type: Timer/Oscillator (Single)
- Frequency: 100kHz
- Voltage - Supply: 4.5V ~ 16V
- Current - Supply: 10 mA
- Operating Temperature: 0°C ~ 70°C
- Package / Case: 8-DIP (0.300", 7.62mm)
- Brand: Texas Instruments

Working Modes:

- Astable mode
- Mono-stable mode
- Bi-stable mode

Features:

- Timing from microseconds through hours
- Operates in both stable and monostable modes
- Adjustable duty cycle
- Output can source or sink 200 mA
- Output and supply TTL compatible
- Normally on and normally off output
- Available in 8-pin MSOP package

Applications:

- Precision timing
 - Pulse generation
 - Sequential timing
 - Time delay generation
 - Pulse width modulation
 - Pulse position modulation
 - Linear ramp generator
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