


Standard Timer Single 0°C 70°C 8-Pin SOIC Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP8
Product Type:	Clock & Timer ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

These devices are precision timing circuits capable of producing accurate time delays or oscillation. In the time-delay or mono-stable mode of operation, the timed interval is controlled by a single external resistor and capacitor network. In the a-stable 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 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. The reset (RESET) input can override all other inputs and can be used to initiate a new timing cycle. When RESET goes low, the flip-flop is reset, and the output goes low. When the output is low, a low-impedance path is provided between discharge (DISCH) and ground.

The output circuit is capable of sinking or sourcing current up to 200 mA. Operation is specified for supplies of 5 V to 15 V. With a 5-V supply, output levels are compatible with TTL inputs.

Key Features

Timing From Microseconds to Hours

Astable or Monostable Operation

Adjustable Duty Cycle

TTL-Compatible Output Can Sink or Source Up to 200 mA

On Products Compliant to MIL-PRF-38535, All Parameters Are Tested Unless Otherwise Noted. On All Other Products, Production Processing Does Not Necessarily Include Testing of All Parameters.

Recommended For You

NE556D

Texas Instruments, Inc
SOP

NE555DR

Texas Instruments, Inc
SOP8

NE555P

Texas Instruments, Inc
DIP8

NE555PSR

Texas Instruments, Inc
SOP8

NE555DRG4

Texas Instruments, Inc
SOP-8

NE555PS

Texas Instruments, Inc
SOP

NE555PW

Texas Instruments, Inc
TSSOP8

NE555V

Texas Instruments, Inc
DIP-8

NE556DR

Texas Instruments, Inc
SOP14

NE555PWR

Texas Instruments, Inc
TSSOP8

NE555DRE4

Texas Instruments, Inc
8-SOIC

NE556DG4

Texas Instruments, Inc
SOPDIP

TLC556INE4

Texas Instruments, Inc
PDIP14

NE556NS

Texas Instruments, Inc
SOP14

NE556DRE4

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14-SOIC