

## Standard Timer Single -40°C 85°C 8-Pin SOIC T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** SOP8

**Product Type:** Clock & Timer ICs

**Lifecycle:** NRND

### General Description

The LMC555 device is a CMOS version of the industry standard 555 series general-purpose timers. In addition to the standard package (SOIC, VSSOP, and PDIP) the LMC555 is also available in a chip-sized package (8-bump DSBGA) using TI's DSBGA package technology. The LMC555 offers the same capability of generating accurate time delays and frequencies as the LM555 but with much lower power dissipation and supply current spikes. When operated as a one-shot, the time delay is precisely controlled by a single external resistor and capacitor. In the astable mode the oscillation frequency and duty cycle are accurately set by two external resistors and one capacitor. The use of TI's LCMOS process extends both the frequency range and the low supply capability.

### Key Features

Industry's Fastest Astable Frequency of 3 MHz

Available in Industry's Smallest 8-Bump DSBGA Package (1.43mm × 1.41mm)

Less Than 1 mW Typical Power Dissipation at 5 V Supply

1.5 V Supply Operating Voltage Ensured

Output Fully Compatible With TTL and CMOS Logic at 5 V Supply

Tested to 10 mA, 50 mA Output Current Levels

Reduced Supply Current Spikes During Output Transitions

Extremely Low Reset, Trigger, and Threshold Currents

Excellent Temperature Stability

Pin-for-Pin Compatible With 555 Series of Timers

### Recommended For You

**LMK00334RTVR**

Texas Instruments, Inc  
WQFN32

**LMC555CM**

Texas Instruments, Inc  
SOP8

**LM555CM**

Texas Instruments, Inc  
SOP8

**LMC555CMX/NOPB**

Texas Instruments, Inc  
SOP8

**LM555CN**

Texas Instruments, Inc  
DIP8

**LM555J/883**

Texas Instruments, Inc  
CDIP8

**LMC555CMMX**

Texas Instruments, Inc  
MSOP8

**LM555CN/NOPB**

Texas Instruments, Inc  
DIP8

**LMC555CMMX/NOPB**

Texas Instruments, Inc  
VSSOP8

**LMK00101SQE/NOPB**

Texas Instruments, Inc  
WQFN32

**LM555H/883**

Texas Instruments, Inc  
CAN

**LMK1C1102DQFR**

Texas Instruments, Inc  
WSO8-8

**LMC555CN**

Texas Instruments, Inc  
DIP

**LMC555IMX/NOPB**

Texas Instruments, Inc  
SOP8

**LMC555CIP**

Texas Instruments, Inc  
DSBGA