

## Product Overview

### MC1455: Timer Circuit

For complete documentation, see the data sheet.

The MC1455 monolithic timer circuit is a highly stable controller capable of producing accurate time delays or oscillation. Additional terminals are provided for triggering or resetting if desired. In the time delay mode, time is precisely controlled by one external resistor and capacitor. For a stable operation as an oscillator, the free-running frequency and the duty cycle are both accurately controlled with two external resistors and one capacitor. The circuit may be triggered and reset on falling waveforms, and the output structure can source or sink up to 200 mA or drive TTL circuits.

### Features

- Direct Replacement for NE555 Timers
- Timing from Microseconds through Hours
- Operates in Both Astable and Monostable Modes
- Adjustable Duty Cycle
- High Current Output Can Source or Sink 200 mA
- Output Can Drive TTL
- Temperature Stability of 0.005% per °C
- Normally ON or Normally OFF Output
- Pb-Free Packages are Available

### Part Electrical Specifications

Product	Compliance	Status	Type	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	t <sub>pd</sub> Max (ns)	P <sub>D</sub> Max (W)	I <sub>O</sub> Max (mA)	Package Type
MC1455DG	Pb-free	Active	Timer	4.5	16	100	0.625	200	SOIC-8
	Halide free								
MC1455DR2G	Pb-free	Active	Timer	4.5	16	100	0.625	200	SOIC-8
	Halide free								

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