

**LINEAR  
INTEGRATED  
CIRCUITS  
- INDUSTRIAL -**



**BE 555M  
BE 555E  
TIMERS**

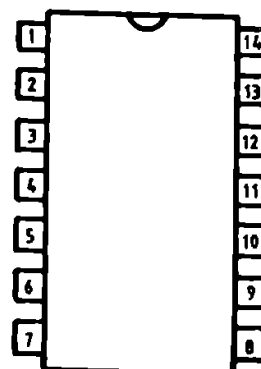
The BE 555 are highly stable devices for generating accurate time delay or waveforms. Additional terminals are provided for triggering or resetting if desired. In the time delay mode of operation, the time is precisely controlled by one external resistor and capacitor. For astable operation as an oscillator, the free running frequency and duty cycle are accurately controlled with two external resistors and one capacitor.

The output can drive TTL circuits and can source or sink up to 200 mA.

**Features**

|                               |             |                 |
|-------------------------------|-------------|-----------------|
| - Operating temperature ..... | BE 555M ... | -55 ... +125 °C |
|                               | BE 555E ... | 0 ... + 70 °C   |
| - Storage temperature .....   |             | -55 ... +125 °C |
| - Power dissipation .....     |             | max. 500 mW     |
| - Supply voltage .....        |             | 4.5 ... 18 V    |
| - Supply current .....        |             | max. 15 mA      |
| - Threshold voltage .....     |             | typ. 2/3V+ V    |
| - Reset voltage .....         |             | 0.4 ... 1 V     |
| - Threshold current .....     |             | max. 250 nA     |
| - Trigger current .....       |             | max. 900 nA     |
| - Reset current .....         |             | max. 400 uA     |
| - Control voltage level ..... |             | 9 ... 11 V      |

- 1. NC
- 2. NC
- 3. NC
- 4. GND
- 5. Low threshold
- 6. Output
- 7. Reset
- 8. Control
- 9. High threshold
- 10. Discharge
- 11. V+
- 12. NC
- 13. NC.
- 14. NC



PACKAGE TO-116 / TOP VIEW



**PE 555MN**  
**PE 555N**  
TIMERS

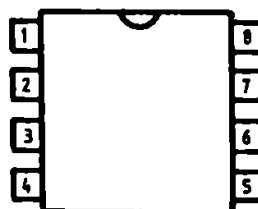
The PE 555N are highly stable devices for generating accurate time delay or waveforms. Additional terminals are provided for triggering or resetting if desired. In the time delay mode of operation, the time is precisely controlled by one external resistor and capacitor. For astable operation as an oscillator, the free running frequency and duty cycle are accurately controlled with two external resistors and one capacitor.

The output can drive TTL circuits and can source or sink up to 200 mA.

**Features**

|                               |              |                 |
|-------------------------------|--------------|-----------------|
| - Operating temperature ..... | PE 555MN ... | -55 ... +125 °C |
|                               | PE 555N ...  | 0 ... + 70 °C   |
| - Storage temperature .....   |              | -55 ... +125 °C |
| - Power dissipation .....     |              | max. 500 mW     |
| - Supply voltage .....        |              | 4.5 ... 18 V    |
| - Supply current .....        |              | max. 15 mA      |
| - Threshold voltage .....     |              | typ. 2/3V+ V    |
| - Reset voltage .....         |              | 0.4 ... 1 V     |
| - Threshold current .....     |              | max. 250 nA     |
| - Trigger current .....       |              | max. 900 nA     |
| - Reset current .....         |              | max. 400 uA     |
| - Control voltage level ..... |              | 9 ... 11 V      |

1. GND
2. Low threshold
3. Output
4. Reset
5. Control
6. High threshold
7. Discharge
8. V+



PACKAGE MP-48 / TOP VIEW