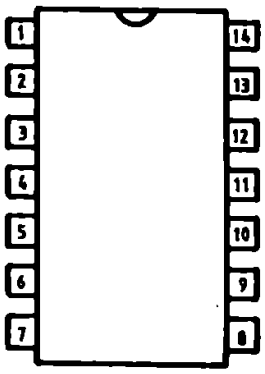
TBA 315E
POWER TIMER

The TBA 315E is an integrated circuit designed to provide rectangular pulses with adjustable frequency and duty cycle, by an external group RC. The circuit contains a voltage regulator, a comparator oscillator and an output power stage. It allows cyclical excitation of a relay. Therefore it is specially suitable in such application as car winking-lights, windscreen-wipper motor and power multivibrators. For V+ = 12 V, pin 11 (12/24) is connected to V+, and for V+ = 24 V, the same pin is not connected.

Features

- Operating temperature	0 ...	+70	oC
- Storage temperature	-55 ...	+125	oC
- Power dissipation	max.	500	mW
- Supply voltage	10 ...	32	V
- Supply current	3.5 ...	18	mA
- Output current	max.	200	mA
- Voltage on control pin	max.	V+	V
- Oscillator input leakage current	min.	-1	uA
- Oscillator input current for VOL	min.	10	uA
- Saturation voltage at the output power stage	max.	1.5	V
- Frequency of oscillation	max.	2.1fo	Hz
- Duty cycle	0.4 ...	0.65	-

1. NC
2. NC
3. Oscillator output
4. Control
5. NC
6. GND
7. NC
8. NC
9. Output
10. V+
11. 12/24
12. Oscillator input
13. NC
14. NC



PACKAGE TO-116 / TOP VIEW

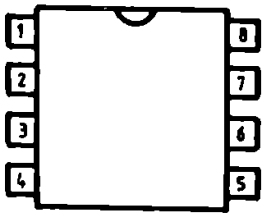
TBA 315N
POWER TIMER

The TBA 315N is an integrated circuit designed to provide rectangular pulses with adjustable frequency and duty cycle, by an external group RC. The circuit contains a voltage regulator, a comparator oscillator and an output power stage. It allows cyclical excitation of a relay. Therefore it is specially suitable in such application as car winking-lights, windscreen-wipper motor and power multivibrators. For V+ = 12 V, pin 11 (12/24) is connected to V+, and for V+ = 24 V, the same pin is not connected.

Features

- Operating temperature	0 ...	+70	oC
- Storage temperature	-55 ...	+125	oC
- Power dissipation	max.	500	mW
- Supply voltage	10 ...	32	V
- Supply current	3.5 ...	18	mA
- Output current	max.	200	mA
- Voltage on control pin	max.	V+	V
- Oscillator input leakage current	min.	-1	uA
- Oscillator input current for VOL	min.	10	uA
- Saturation voltage at the output power stage .	max.	1.5	V
- Frequency of oscillation	max.	2.1fo	Hz
- Duty cycle	0.4 ...	0.65	-

1. Oscillator output
2. Control
3. NCD
4. GND
5. Output
6. V+
7. 12/24
8. Oscillator input



PACKAGE MP-48 / TOP VIEW