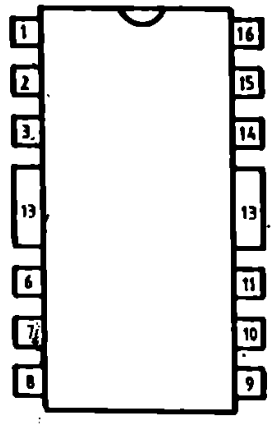
βAA 145
PHASE - CONTROL REGULATOR

The βAA 145 is an integrated circuit in planar-epitaxial technology suitable for phase-control in high precision regulators using triacs and/or thyristors. It is synchronised on the industrial supply (220 V, 50 Hz) provided separated pulse outputs for the positive and negative half-cycle of the synchronisation signal.

Features

- Operating temperature	-10 ...	+70	oC
- Storage temperature	-20 ...	+125	oC
- Power dissipation	max.	550	mW
- Supply voltage	max.	18	V
- Shift voltage	-5 ...	+18	V
- Synchronisation current	max.	10	mA
- Negative supply current (pin 13)	max.	-25	mA
- Negative supply current (pin 15)	max.	-5	mA
- Control input pulse current	max.	3	mA
- Output current	max.	20	mA
- Supply current	12 ...	30	mA
- Current at phase control input	max.	10	uA
- Ct charging current	-40 ...	-10	mA
- Ct discharging current	min.	5	mA
- Cs charging current	-60 ...	-20	mA

1. V+
2. Monostable output
3. GND
6. Pulse blocking
7. Voltage ramp
8. Phase control
9. Synchronisation input
10. Output
11. Pulse width control
13. I- supply
14. Output
15. -8V rèference
16. Paralel synchro



PACKAGE CB-109B / TOP VIEW