TDA 655
SPEED REGULATOR FOR SMALL DC MOTORS

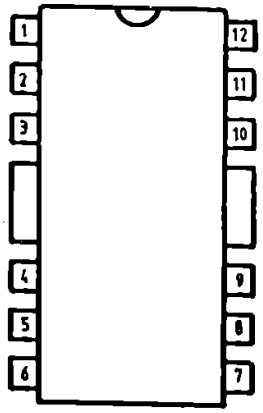
The TDA 655 is an integrated circuit intended to be used for speed regulation of permanent magnet DC motors in phonographs and tape recorders. This integrated circuit contents following stages : a voltage reference, an error amplifier, an output power stage and thermal protection.

Due to the internal configuration for such applications is required only three external components namelly : one capacitor for frequency compensation, one resistor and one potentiometer for speed adjustment. Pin TABS is internal connected to the supply voltage ground.

Features

- Operating temperature	0	...	+70	oC
- Storage temperature	-25	...	+125	oC
- Supply voltage	+3.8	...	+18	V
- Output peak current (non-repetitive)	max.		1.8	A
- Voltage on pins	max.		< V+	V
- Internal reference voltage	1.2	...	1.8	V
- Regulator supply current	4	...	12	mA
- Amplifier inut current	typ.		4	uA
- Sped regulation versus load	typ.		0.6	%
- Speed regulation coefficient versus supply voltage	max.	+/-0.6		%

1. Non-inverting input
2. Refference
3. Refference (R6)
4. Refference (R5)
5. Refference
6. Compensation
7. Output (R2)
8. Output (R1)
9. Output
10. GND
11. V+
12. Inverting input



PACKAGE CB-109B / TOP VIEW