

# KA2142

## Vertical Deflection Output Circuit

### Features

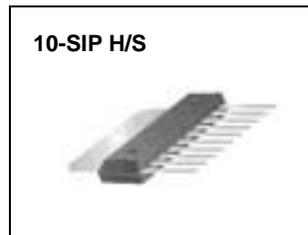
- High output current
- Pump - up circuit
- Low dissipation
- Minimum number of external parts required
- Direct drive to the deflection coils
- Internal thermal shutdown circuit

### Applications

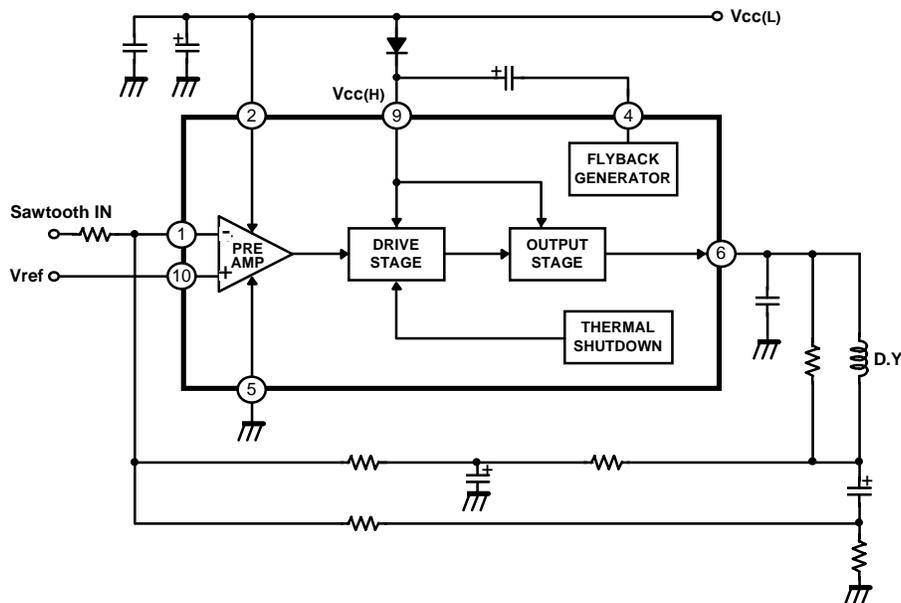
- Power Amplifier
- Thermal Protection
- Flyback Generator

### Description

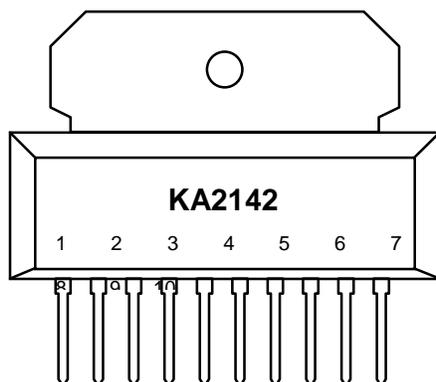
The KA2142 is a monolithic linear IC designed for color TV and monitor vertical deflection output. It is intended for direct drive of the deflection coils with a high efficiency.



### internal Block Diagram



## Pin Assignments



Pin Number	Pin Name	I/O	Pin Function Description
1	V <sub>in</sub> ( - )	I	Inverting Input
2	V <sub>cc</sub> (L)	I	Supply Voltage
3	-	-	N.C.
4	F.G	O	Flyback Generator
5	GND	-	Ground
6	V <sub>O</sub>	O	Output
7	-	-	N.C.
8	-	-	N.C.
9	V <sub>cc</sub> (H)	I	Output Stage Supply Voltage
10	V <sub>in</sub> ( + )	I	Non-Inverting Input