DATA SHEET

Part No.	AN15526A
Package Code No.	T0220 - 7A

SEMICONDUCTOR COMPANY
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Contents

AN15526A

Silicon Monolithic Bipolar IC

■ Overview

AN15526A are ICs for CRT vertical deflection output. AN15526A can directly drive a deflection coil with saw wave output from a signal processing IC.
With its maximum output current of 2.4 A[p-p], AN15526A are suitable for the use of driving of 32 inch to 36 inch monitors.

■ Features

- Vertical output circuit
- Built-in pump up circuit
- Built-in thermal protection circuit
- Absolute maximum rating 80 V
- Maximum output current 2.4 A[p-p]

■ Applications

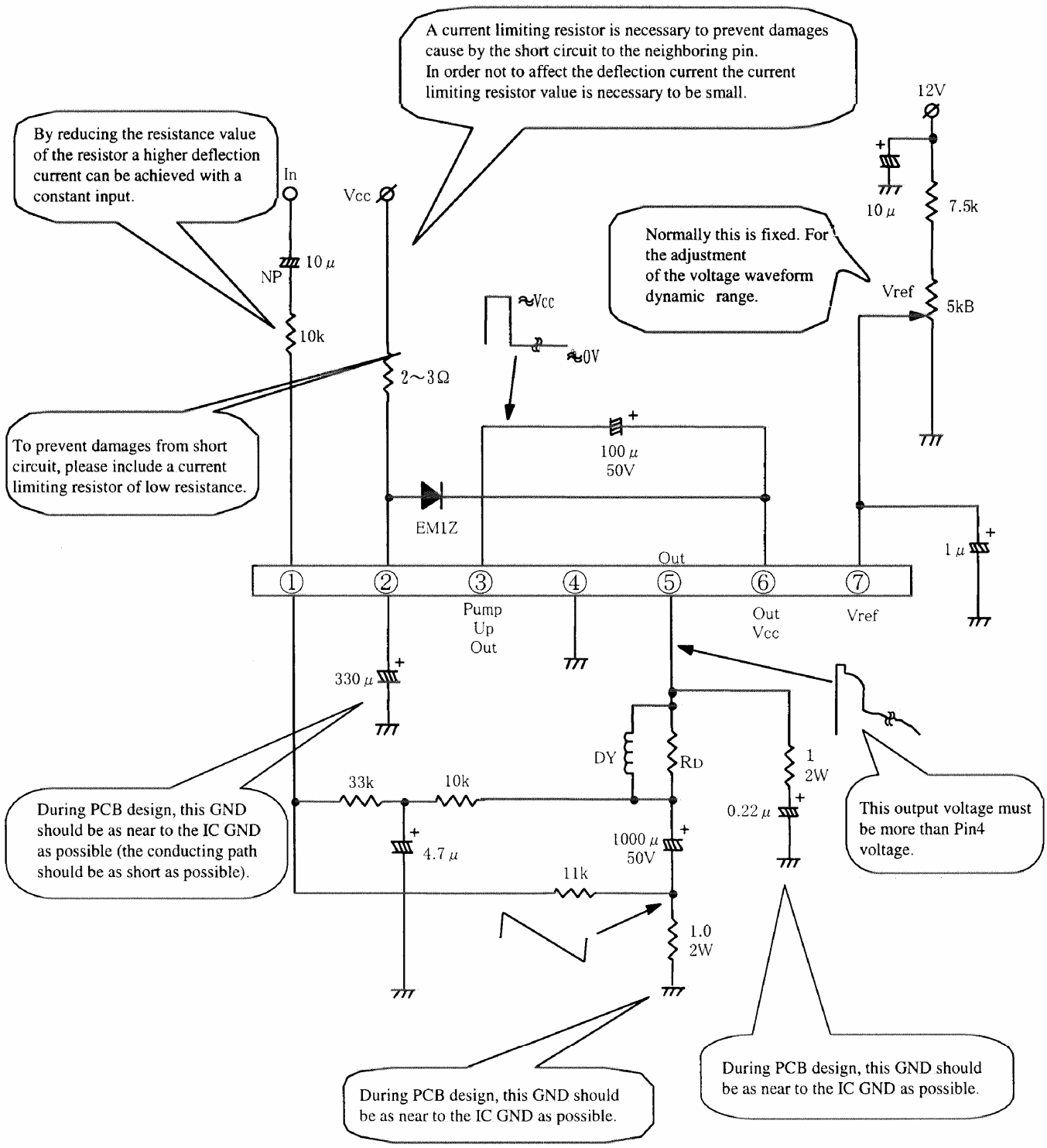
- CRT vertical output
- TV sets and displays

■ Package

- T0220 - 7pin plastic package with Fin

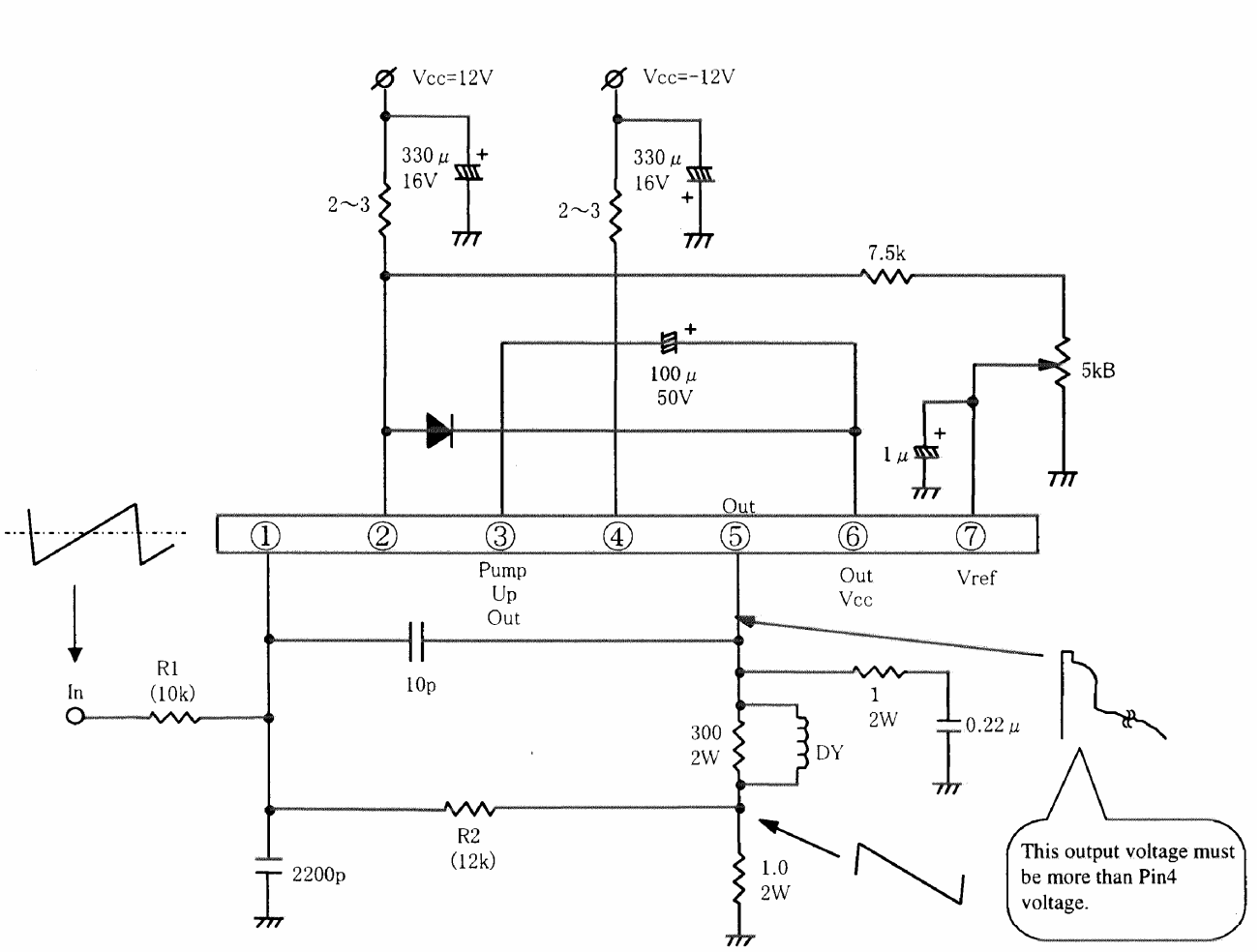
■ Application Circuit

- AC Coupling



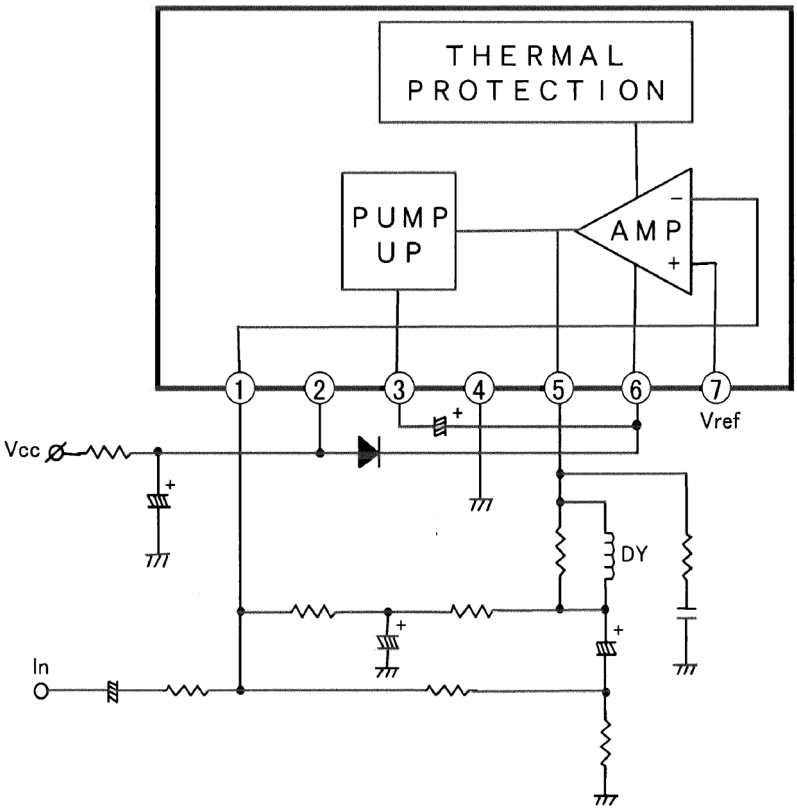
■ Application Circuit (continued)

• DC Coupling



In order to get required gain, it is necessary to adjust the R1 and R2.

■ Block Diagram



■ Pin Descriptions

Pin No.	Pin name
1	Inverting input
2	Power supply
3	Pump - up output
4	GND
5	Vertical output
6	Vertical output power supply
7	Non - inverting input

■ Absolute Maximum Ratings

No.	Parameter	Symbol	Rating		Unit	Note
1	Storage temperature	T_{stg}	–55 to +150		°C	*1
2	Operating ambient temperature	T_{opr}	–20 to +70		°C	*1
3	Operating ambient atmospheric pressure	P_{opr}	$1.013 \times 10^5 \pm 0.61 \times 10^5$		Pa	
4	Operating constant gravity	G_{opr}	9 810		m/S^2	
5	Operating shock	S_{opr}	4 900		m/S^2	
6	Supply voltage	V_{CC2}	40		V	
7	Supply current	I_{CC2}	360		mA	
8	Power dissipation	P_D	1.5		W	*2
9	Circuit voltage	V_{5-4} , V_{6-4}	0	80	V	
10	Circuit voltage	V_{7-4} , V_{1-4}	0	V_{2-4}	V	
11	Circuit current	I_5 , I_3	–1.5	1.5	A[0-p]	

Note) 1 : Except for the operating ambient temperature and storage temperature, all ratings are for Ta = 25°C

2 : The power dissipation shall be at Ta = 70°C in free air, without heat sink. (refer to sheet no. 13,17)

■ Operating Supply Voltage Range

Operating supply voltage range	V_{CC2}	12 V to 35 V
Deflection output current	I_{5p-p}	to 2.4 A[p-p]

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