DATA SHEET

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

SEMICONDUCTOR COMPANY MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

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AN15526A Panasonic

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

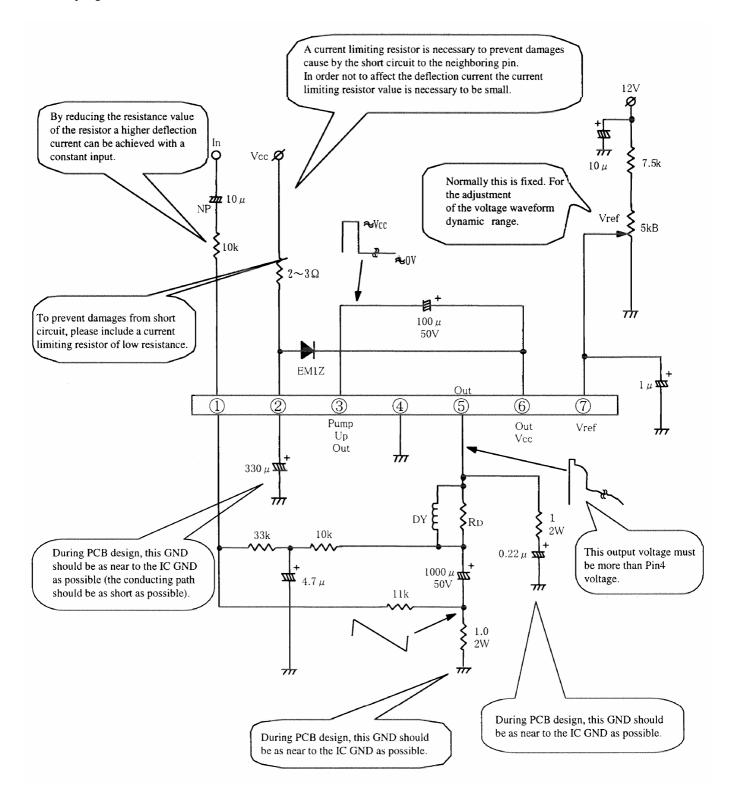
- CRT vertical output
- TV sets and displays

■ Package

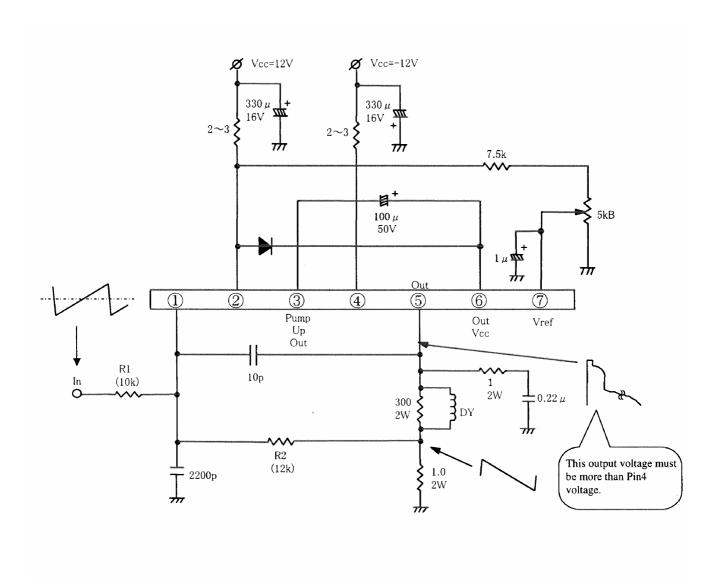
• T0220 - 7pin plastic package with Fin

■ Application Circuit

• AC Coupling

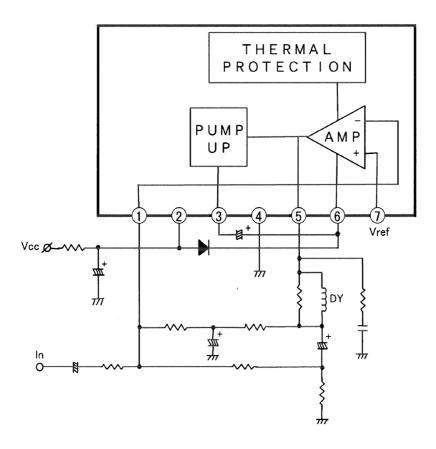


- Application Circuit (continued)
 - DC Coupling



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	

Panasonic

■ 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 $Ta = 25^{\circ}C$

■ 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]

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

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