

FAN7071

Landing Correction IC

Features

- Built in Power Amplifier (200mA)
- Low Standby Current
- Incorporating 2 Circuit

Typical Applications

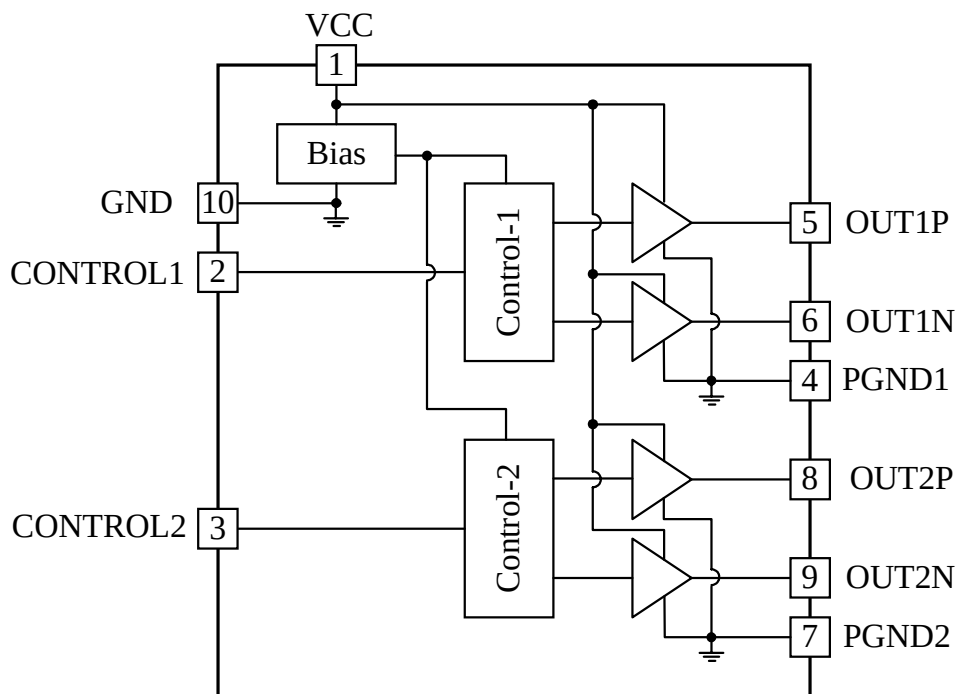
- CRT Monitor

Description

The FAN7071 is an IC to drive a landing correction coil of CRT monitor. The circuit is suitable for low power consumption design

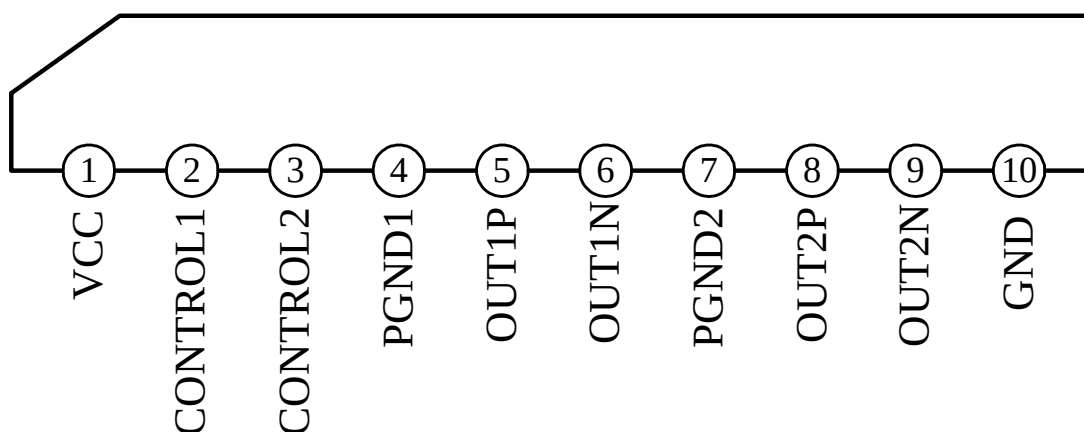


Block Diagram



Rev. 1.0.2

Pin Assignments



Pin Definitions

Pin Number	Pin Name	Pin Function Description
1	VCC	Supply Voltage
2	CONTROL1	Control Input1
3	CONTROL2	Control Input2
4	PGND1	Output block GND
5	OUT1P	Output1 Positive
6	OUT1N	Output1 Negative
7	PGND2	Output block GND
8	OUT2P	Output2 Positive
9	OUT2N	Output2 Negative
10	GND	GND

Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Value	Unit	Remark
Maximum Supply Voltage	VCC	13.5	V	Maximum Supply Voltage
Power Dissipation	PD	2	W	-
Operating Temperature	TOPR	-20 ~ +75	°C	Operating Temperature
Storage Temperature	TSTG	-55 ~ +150	°C	Storage Temperature
Thermal Resistance	Rθja	60	°C/W	Thermal Resistance

Recommended Operating Conditions (Ta = 25°C)

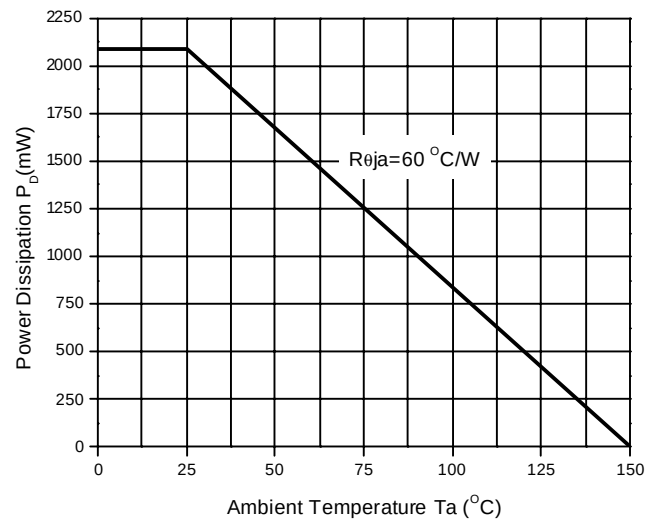
Parameter	Symbol	Min.	Typ.	Max.	Unit
Supply Voltage	VCC	10.8	-	13.2	V
Control Input1 Voltage	VCONTROL1	0	-	5	V
Control Input2 Voltage	VCONTROL2	0	-	5	V
Output1 Positive Current	IOUT1P	-200	-	200	mA
Output1 Negative Current	IOUT1N	-200	-	200	mA
Output2 Positive Current	IOUT2P	-200	-	200	mA
Output2 Negative Current	IOUT2N	-200	-	200	mA
Peak Current	IPEAK1P	-700	-	700	mA
	IPEAK1N	-700	-	700	mA
	IPEAK2P	-700	-	700	mA
	IPEAK2N	-700	-	700	mA

Electrical Characteristics

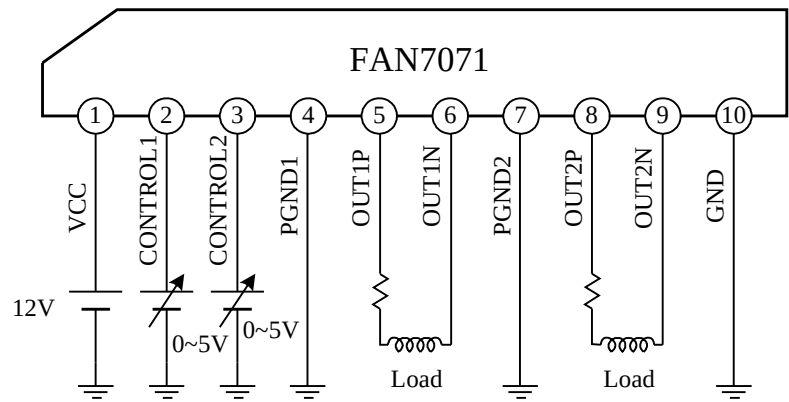
(Ta = 25°C, Unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Circuit Current	ICC	VCONTROL1 = 2.5V VCONTROL2 = 2.5V	1.5	3.0	4.5	mA
Output1 Positive Voltage	VOUT1P		4.5	4.9	5.3	V
Output1 Negative Voltage	VOUT1N		4.5	4.9	5.3	V
Output2 Positive Voltage	VOUT2P		4.5	4.9	5.3	V
Output2 Negative Voltage	VOUT2N		4.5	4.9	5.3	V
Voltage OUT1N to OUT1P	VOUT1_1	VCONTROL1 = 2.5V	-0.3	0	0.3	V
Voltage OUT1N to OUT1P	VOUT1_2	VCONTROL1 = 5V	6.4	7.0	7.4	V
Voltage OUT1N to OUT1P	VOUT1_3	VCONTROL1 = 0V	-7.4	-7.0	-6.4	V
Voltage OUT2N to OUT2P	VOUT2_1	VCONTROL2 = 2.5V	-0.3	0	0.3	V
Voltage OUT2N to OUT2P	VOUT2_2	VCONTROL2 = 5V	6.4	7.0	7.4	V
Voltage OUT2N to OUT2P	VOUT2_3	VCONTROL2 = 0V	-7.4	-7.0	-6.4	V

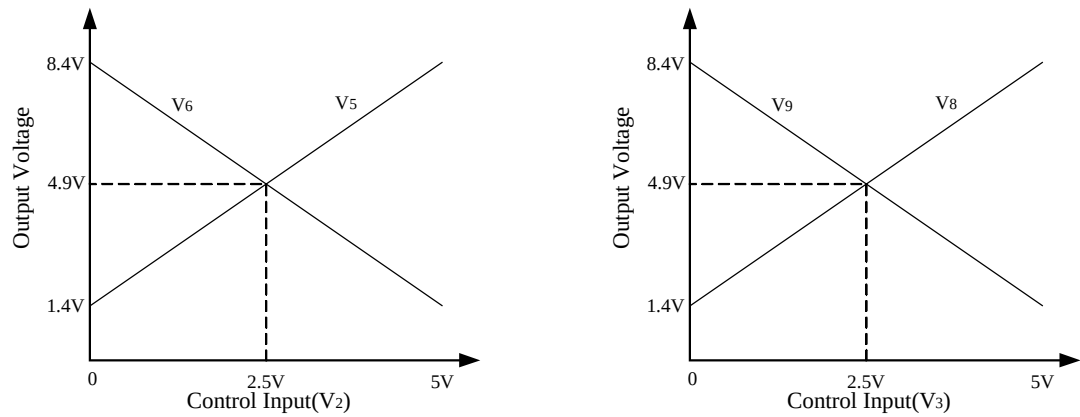
Power Darting Curve



Typical Application Circuit



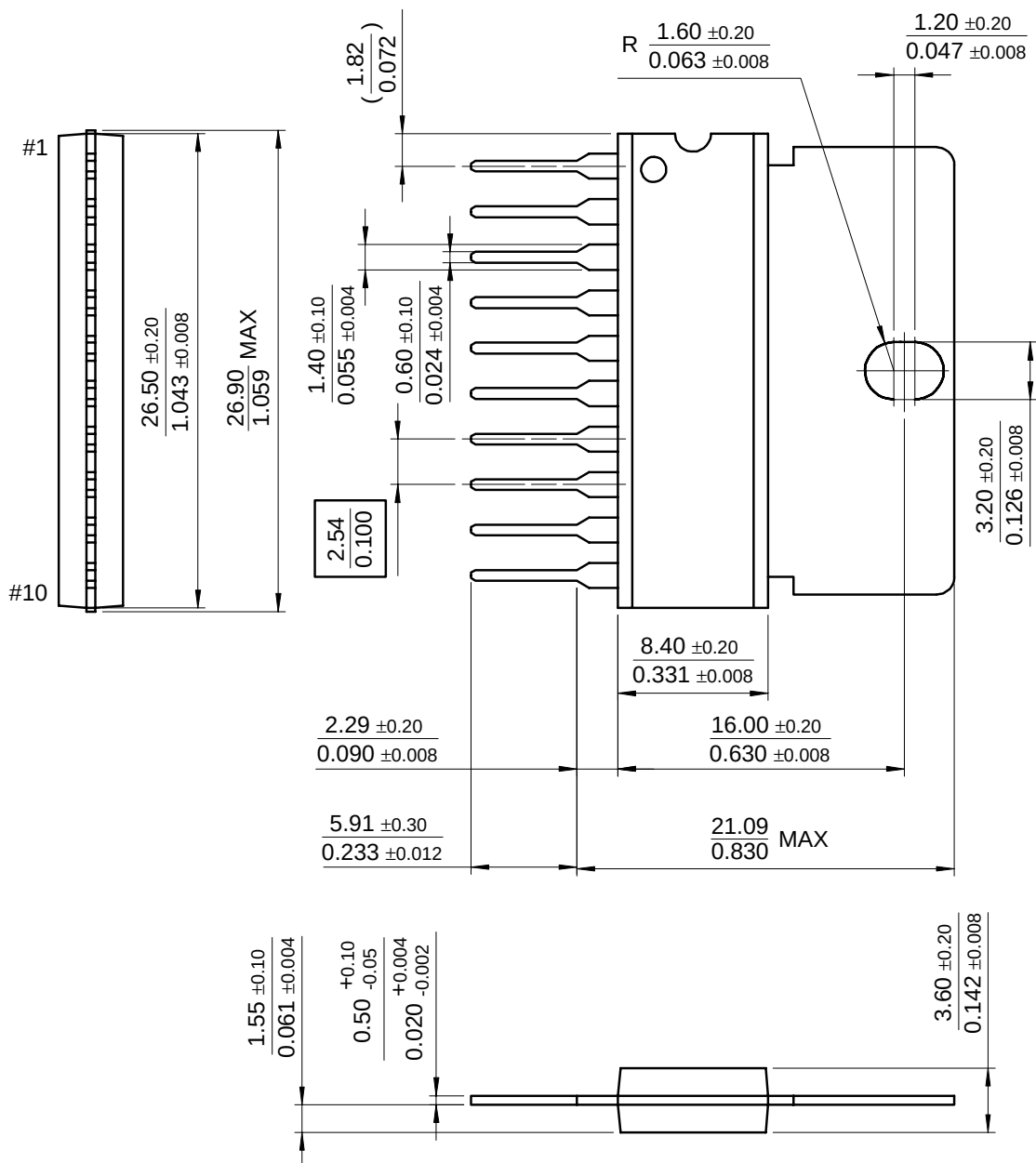
Typical Output Voltages By Control Input Voltage Change



Mechanical Dimensions

Package

10-SIPHA



Ordering Information

Device	Package	Operating Temp.
FAN7071S	10-SIPHA	-20°C ~ +75°C
FAN7071TS	10-SIPHD	

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