

**LA7832****Color TV Vertical Deflection Output Circuit****Overview**

The LA7832 is a monolithic linear IC for vertical deflection output for small and mid-sized color television sets that requires few external components and dissipates little power. When used in conjunction with the LA7620 series of video chroma deflection ICs, the LA7800 series of deflection ICs, and the LA7850 series of display ICs, it is possible to create a stable and compact vertical output deflection circuit.

Features

- High output.
- Low power dissipation due to built-in pump-up circuit.
- Few external components needed.
- Thermal protection circuit built in.

Specifications**Maximum Ratings at Ta = 25 °C**

Parameter	Symbol	Conditions	Ratings	Unit
Maximum supply voltage	V_6 max	(Pump-up block)	30	V
	V_3 max	(Output block)	62	V
Deflection output current	I_2 max		± 1.5	Ap-o
Allowable power dissipation	P_d max	With arbitrarily large heat sink	8	W
Operating temperature	T_{opr}		-20 to +85	°C
Storage temperature	T_{stg}		-40 to +150	°C
Thermal resistance	θ_{j-c}		4	°C/W

Operating Conditions at Ta = 25 °C

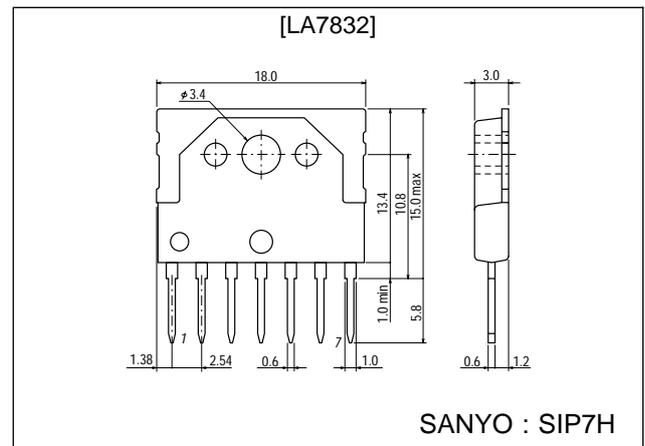
Parameter	Symbol	Conditions	Ratings	Unit
Recommended supply voltage	V_6		24	V
Operating supply voltage range	V_6		10 to 27	V
Deflection output current	I_{2p-p}		to 1.8	Ap-p

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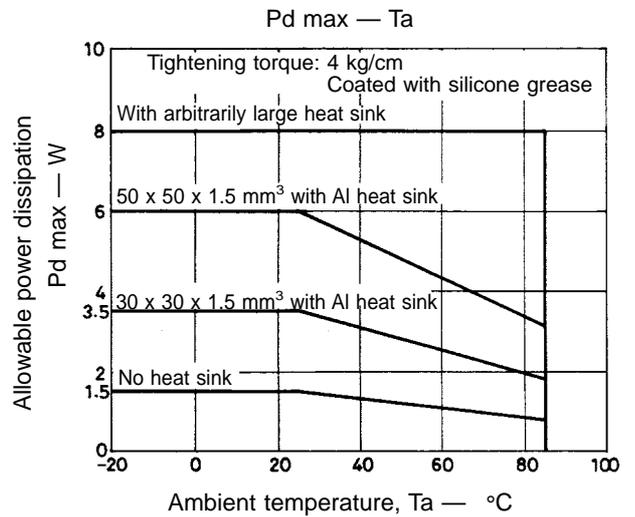
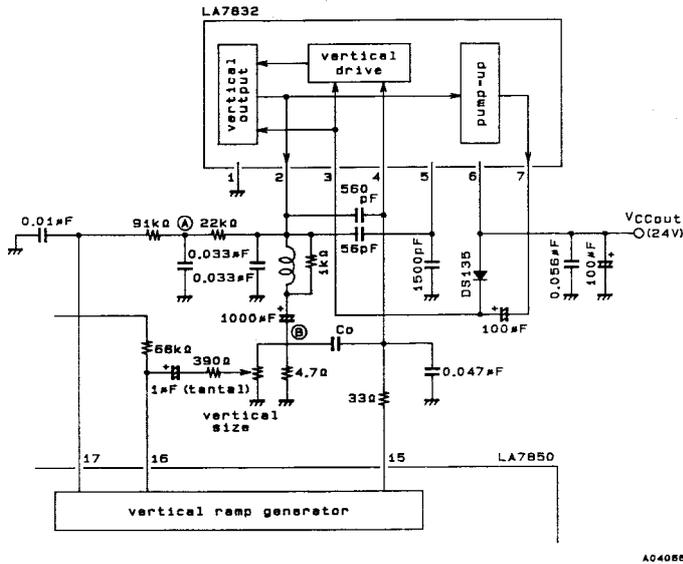
Package Dimensions

unit : mm

3075-SIP7H

Sample Application Circuit

LA7850 vertical output



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