

SANYO

No.1866G



LA4470,4471

Monolithic Linear ICs
BTL-OCL 20W POWER AMP FOR CAR STEREO USE

Features

- . High output: 20W/THD=10%, 15W/THD=1%
- . Low distortion: 0.06%
- . Excellent ripple rejection: 65dB
- . Low residual noise (Rg=0): 0.09mV
- . Low pop noise at the power ON/OFF mode
- . By using the LA4470 and LA4471 (pin assignment reversed version of LA4470) in a pair, the stereo printed circuit pattern may be designed with ease.
- . Even if inserted invertedly, no breakdown will occur.

Functions

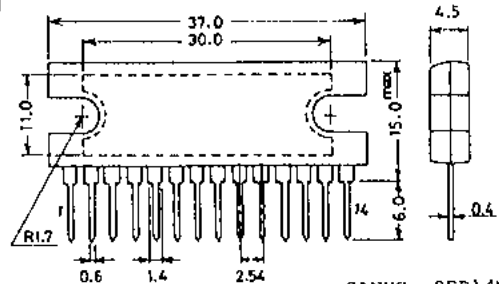
- . Starting time (on-chip pop noise suppressor): 0.6 to 0.8sec.
- . On-chip audio muting (DC+4V, active-high method) --- no external parts required, LED display capability, fast attack time
- . On-chip thermal detector/protector (Tj=170 to 180°C)
- . On-chip overvoltage/surge protector (V_{CC}±24V)
- . On-chip output pin-to-GND short protector (DC short between output and GND) --- with speaker protection
- . On-chip output pin-to-V_{CC} short protector (DC short between output and V_{CC}) --- with speaker protection
- . On-chip load short protector.

Maximum Ratings at Ta=25°C

				unit
Maximum Supply Voltage	V _{CC} max1	Quiescent, t=30sec	26	V
	V _{CC} max2	Quiescent	18	V
	V _{CC} max3	Operating	16	V
Surge Supply Voltage	V _{CC} surge	t≥0.2sec, single giant pulse, rise time 1msec	50	V
	I _o peak		4	A
Thermal Resistance	θ _{jc}		3	°C/W
Allowable Power Dissipation	P _{dmax}	See P _{dmax} -T _a graph.	15	W
Junction Temperature	T _{jmax}		150	°C
Operating Temperature	T _{opg}		-20 to +75	°C
Storage Temperature	T _{stg}		-40 to +150	°C

(Note) V_{CC}max2, V_{CC}max1: Guaranteed at quiescent mode, t=30sec.

Case Outline 3023A-S14HIC
(unit:mm)



SANYO: SEP14H

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“Once a component manufacturer decides to eliminate a component datasheet from its web site,” said Zriel, “we take over and list it along with the millions of other datasheets that our users can quickly access.”

Users can perform standard searches for datasheets, or use the cross-reference search option if they want to find a compatible part from another manufacturer.

Searchdatasheets also informs its users when parts are going to become obsolete, providing them with timely product change notification (PCN), product discontinuation notices (PDN) and end of life (EOL) notification.

Searchdatasheets is the only database of its kind that has components engineers onstaff.

That means users can count on assistance from qualified personnel when performing cross-reference searches. Searchdatasheets engineers also regularly research and add and new datasheets to the system.

“We have full-time Engineers on-staff to research and add datasheets if the information is not currently on our site,” said Zriel. “We are providing a place for users to have their questions answered quickly. Our aim is to build a community for components engineers who need help in product design.”

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