



LA4627

Two-Channel Audio Frequency Power Amplifier

Overview

The LA4627 is a 2-channel power amplifier developed for use in radio/cassette player products. The LA4627 reduces the number of required external components by 50% over earlier products (BS/NF capacitors and oscillation prevention RC components) and thus can contribute significantly to space saving in end products.

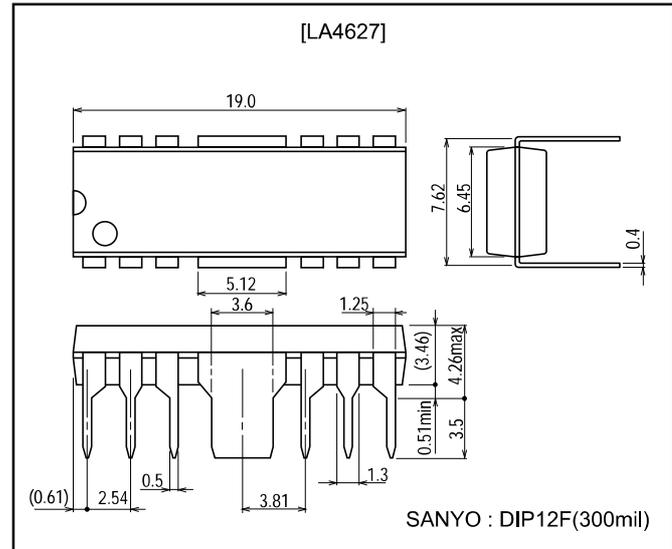
Features

- Provided in the DIP12F.
- P_O : 2.0 W \times 2 ($V_{CC} = 9$ V, $R_L = 4 \Omega$)
2.5 W \times 2 ($V_{CC} = 9$ V, $R_L = 3 \Omega$)
- Standby function built in (supports direct microcontroller control).
- Built-in thermal protection circuit.

Package Dimensions

unit : mm

3022B-DIP12F



Specifications

Maximum Ratings at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings	Unit
Maximum supply voltage	$V_{CC \text{ max}}$	$R_g = 0$	22	V
Allowable power dissipation	$P_d \text{ max}$	When mounted on the Sanyo-recommended PCB	4.0	W
Operating temperature	T_{op}		-25 to +75	$^\circ\text{C}$
Storage temperature	T_{stg}		-55 to +150	$^\circ\text{C}$

Operating Conditions at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings	Unit
Recommended supply voltage	V_{CC}		9	V
Recommended load resistance	R_L		3	Ω
Operating voltage range	$V_{CC \text{ op}}$	Under conditions such that the maximum ratings are not exceeded.	5.0 to 20	V
Recommended operating load resistance	$R_L \text{ op}$		2.7 to 8.0	Ω

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