

SANYO	No.2626A	LA6501
	Power Operational Amplifier	

Features

- . High output current (Io max=1.0A)
- . High gain
- . With current limiter
- . Capable of being operated from single supply

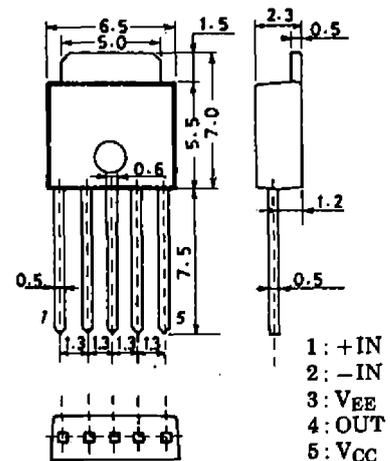
Maximum Ratings at Ta=25°C

Maximum Supply Voltage	V_{CC}/V_{EE}	± 18	V
Differential Input Voltage	V_{IDIF}	30	V
Common-Mode Input Voltage	V_{ICOM}	± 14	V
Output Current	$I_o \text{ max}$	1.0	A
Allowable Power Dissipation	$P_d \text{ max}$	1	W
Operating Temperature	T_{opr}	-20 to +75	°C
Storage Temperature	T_{stg}	-55 to +150	°C

Operating Characteristics at Ta=25°C, $V_{CC}/V_{EE} = \pm 15V$

		min	typ	max	unit
Quiescent Current Dissipation	I_{cco}		6		mA
Input Offset Voltage	V_{IO} $R_s \leq 10k\Omega$		2		mV
Input Offset Current	I_{IO}		10		nA
Input Bias Current	I_B		100		nA
Common-Mode Input Voltage Range	V_{ICM}	-15		+13	V
Common-Mode Rejection	CMR		80		dB
Maximum Output Voltage	V_o $R_L = 33\Omega$		± 13		V
Voltage Gain	V_{GO}		100		dB
Slew Rate	SR $G_V = 0, R_L = 33\Omega, R = 10\Omega, L = 0.1\mu F$		0.15		V/ μs
Equivalent Input Noise Voltage	V_{NI} $R_g = 1k\Omega, \text{DIN Audio}$		2		μV
Supply Voltage Rejection	SVR		30		$\mu V/V$
Limiting Current	I_{sc}		1.00		A

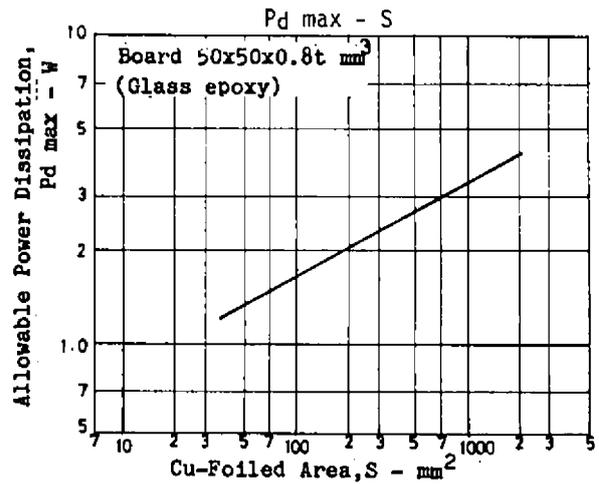
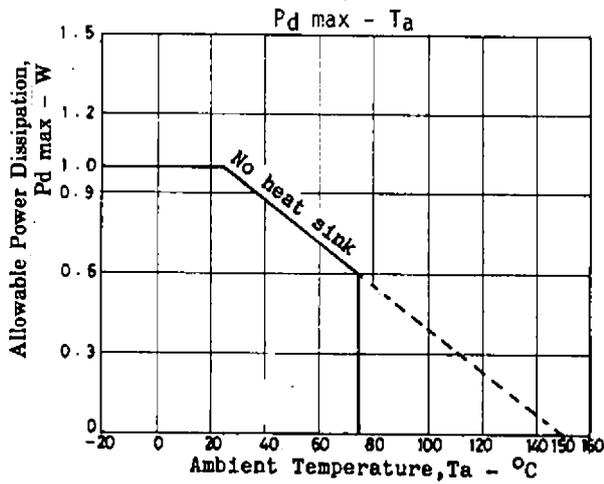
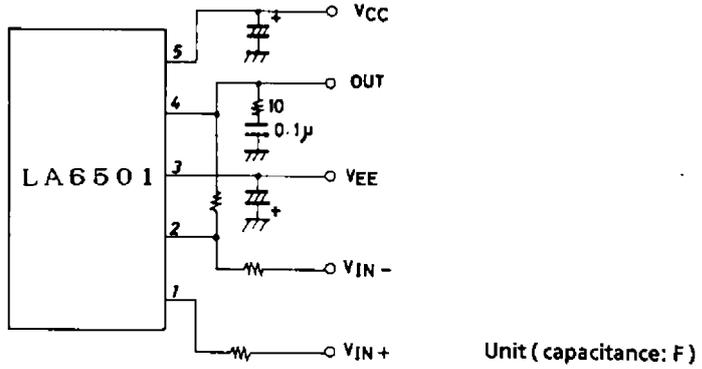
Package Dimensions 3103
(unit: mm)



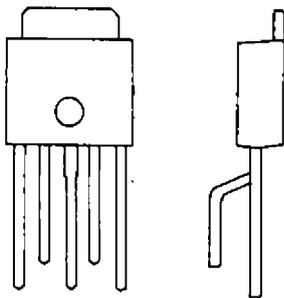
SANYO: TP5H

LA6501

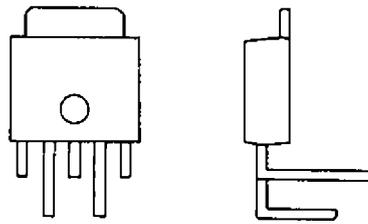
Sample Application Circuit



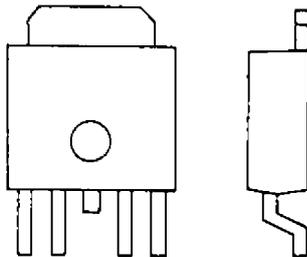
Lead Formings



MA forming



LR forming



FA forming

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