



Power Operational Amplifier

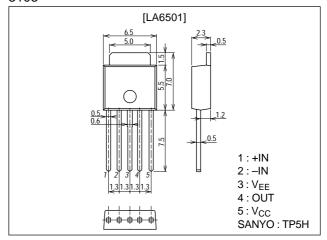
Features

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

Package Dimensions

unit:mm

3103



Specifications

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

Parameter	Symbol	Conditions	Ratings	Unit
Maximum supply voltage	V _{CC} /V _{EE}		±18	V
Differential input voltage	V _{IDIf}		30	V
Common-mode input voltage	VICOM		±14	V
Output current	I _O max		1.0	Α
Allowable power dissipation	Pd max		1	W
Operating temperature	Topr		-20 to +75	°C
Storage temperature	Tstg		-55 to +150	°C

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Uill
Quiescent current drain	Icco			6		mA
Input offset voltage	VIO	R _S ≤10kΩ		2		mV
Input offset current	lio			10		nA
Input bias current	IB			100		nA
Common-mode input voltage range	VICM		-15		+13	V
Common-mode rejection	CMR			80		dB
Maximum output voltage	Vo	$R_L=33\Omega$		±13		V
Voltage gain	V _{GO}			100		dB
Slew rate	SR	GV=0, R _L =33Ω, R=10Ω, L=0.1μF		0.15		V/µs

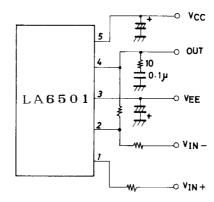
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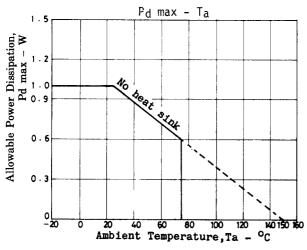
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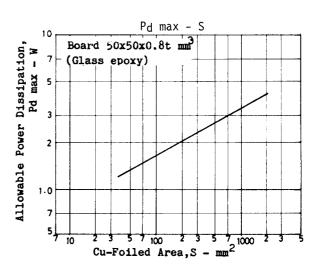
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Oill
Equivalent input noise voltage	V _{NI}	Rg=1kΩ, DIN Audio		2		μV
Supply voltage rejection	SVR			30		μV/V
Limiting current	Isc			1.00		Α

Sample Application Circuit

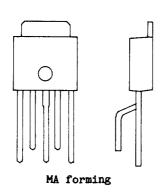


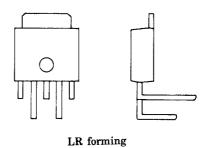
Unit (capacitance: F)

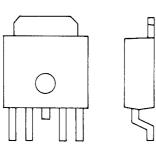




Lead Formings







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