

SANYO**LA6522**

Monolithic Linear IC

Power OP Amp

TENTATIVE**Use**

The LA6522 is a 2-output power operational amplifier intended for use in consumer, industrial applications.

Features and Functions

- High output current (I_O max = 0.8A)
- High gain
- Low saturation voltage
- Wide operating voltage range (± 2 to ± 14 V)
- Single-supply operation available (4 to 28V)
- On-chip thermal shutdown circuit

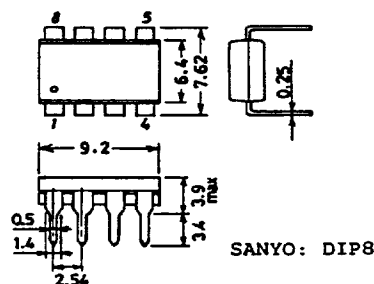
Maximum Ratings at $T_a = 25^\circ\text{C}$

Maximum Supply Voltage	V_{CC}/V_{EE}	± 15	V
Operating Temperature	Topg	-40 to +85	$^\circ\text{C}$
Storage Temperature	Tstg	-55 to +150	$^\circ\text{C}$
Allowable Power Dissipation	Pd max	1000	mW

Electrical Characteristics at $V_{CC}/V_{EE} = \pm 12\text{V}, T_a = 25^\circ\text{C}$

			min	typ	max	unit
Quiescent Current	I_{CC}		5	10	20	mA
Input Offset Voltage	V_{IO}	$R_S \leq 10\text{k}\Omega$		2	10	mV
Input Offset Current	I_{IO}			10	100	nA
Input Bias Current	I_B			100	500	nA
Common-Mode Input Voltage Range	V_{ICM}		-11.5		+10.0	V
Common-Mode Rejection Ratio	CMR			80		dB
Maximum Output Voltage	V_O	$R_L = 33\Omega$		± 10		V
Voltage Gain	V_{GO}			85		dB
Slew Rate	SR	$V_G = 0, R_L = 33\Omega,$ $R = 10\Omega, L = 0.1\mu\text{F}$		0.15		V/ μs
Supply Voltage Rejection	SVR			30		$\mu\text{V/V}$

The application circuit diagrams and circuit constants herein are included as an example and provide no guarantee for designing equipment to be mass-produced. The information herein is believed to be accurate and reliable. However, no responsibility is assumed by SANYO for its use; nor for any infringements of patents or other rights of third parties which may result from its use.

Case Outline 3001A-D8IC
(unit: mm)

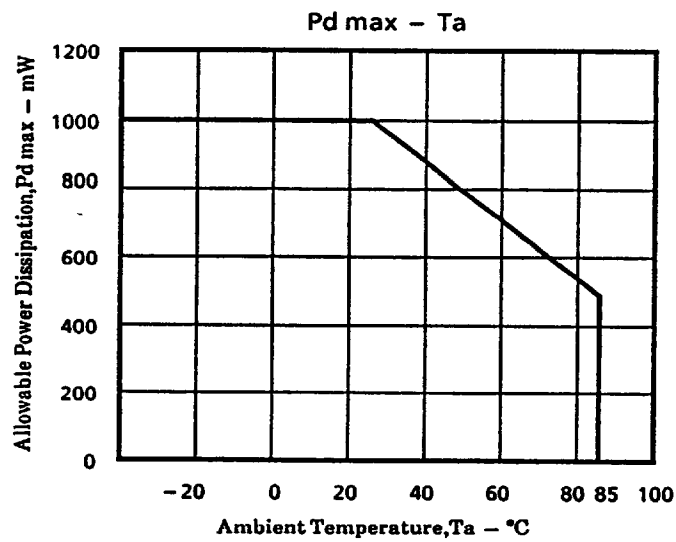
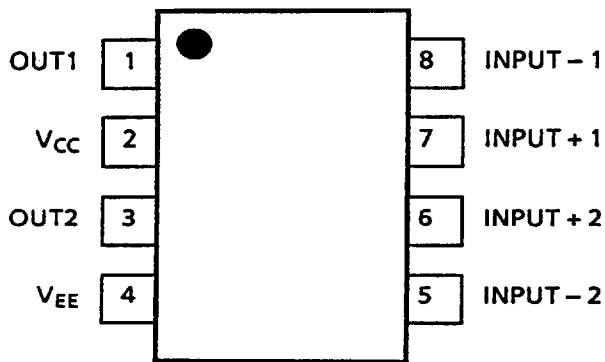
Specifications and information herein are subject to change without notice.

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Pin Assignment



Block Diagram

