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 ±14V)
- Single-supply operation available (4 to 28V)
- On-chip thermal shutdown circuit

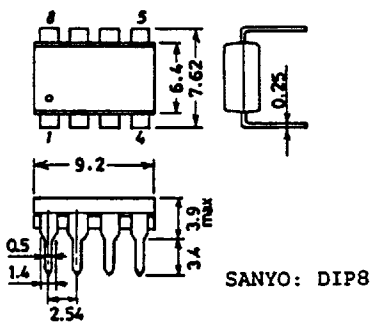
Maximum Ratings at Ta = 25°C

			unit
Maximum Supply Voltage	V_{CC}/V_{EE}	±15	V
Operating Temperature	Topg	−40 to +85	°C
Storage Temperature	Tstg	−55 to +150	°C
Allowable Power Dissipation	Pd max	1000	mW

Electrical Characteristics at V_{CC}/V_{EE} = ±12V, Ta = 25°C

			min	typ	max	unit
Quiescent Current	I_{CC}		5	10	20	mA
Input Offset Voltage	V_{IO}	$R_S \leqq 10k\Omega$		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	VG_O			85		dB
Slew Rate	SR	VG = 0, $R_L = 33\Omega$, $R = 10\Omega$, $L = 0.1\mu F$		0.15		V/μs
Supply Voltage Rejection	SVR			30		μV/V

Case Outline 3001A-D8IC
(unit: mm)



SANYO: DIP8

Specifications and information herein are subject to change without notice.

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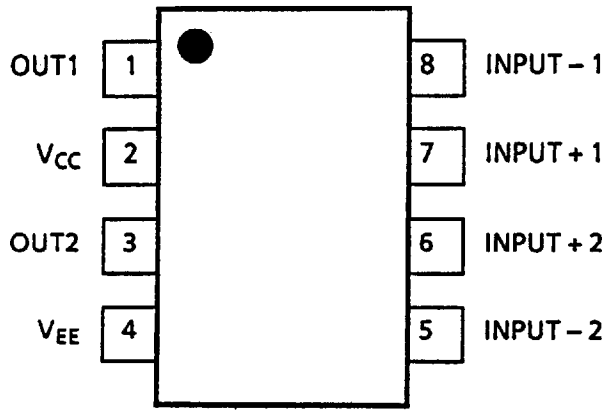
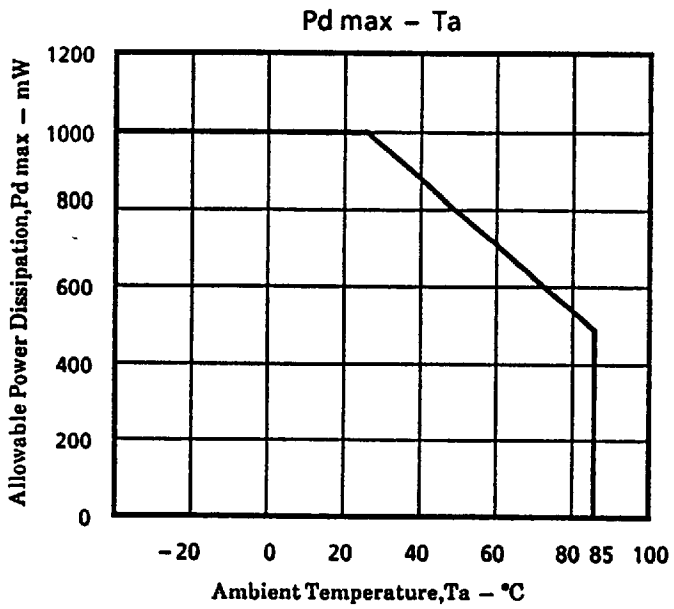
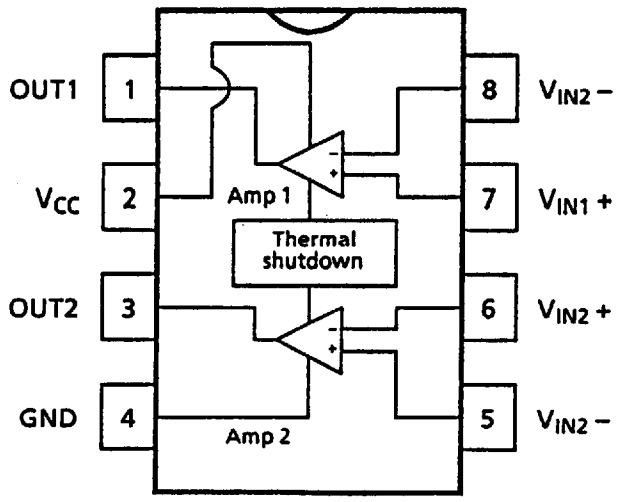
Pin Assignment





Block Diagram



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