

LM1558 and LM1458 Dual Operational Amplifiers

REFERENCE TABLE

Code	Stock No.
LM1558H	33138G
LM1458H	31057H
LM1458N	31149X

GENERAL DESCRIPTION

The LM1558/LM1458 is a general purpose dual operational amplifier. The two amplifiers share a common bias network and power supply leads. Otherwise their operation is completely independent. Features of the LM1558/LM1458 include offset nulling, short circuit protection, internal frequency compensation, wide common mode and differential mode range. Power drain is reduced by sharing bias resistors.

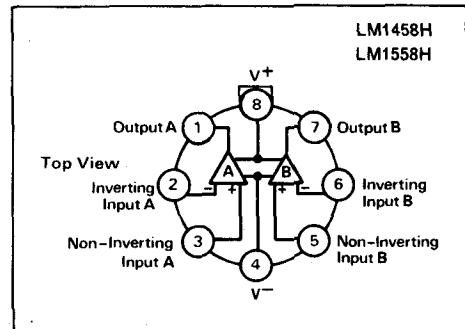
FEATURES

- No frequency compensation required
- Short-circuit protection
- Wide common-mode and differential voltage ranges
- Low-power consumption
- No latch-up
- TO-99 and 8-lead mini DIP

ABSOLUTE MAXIMUM RATINGS

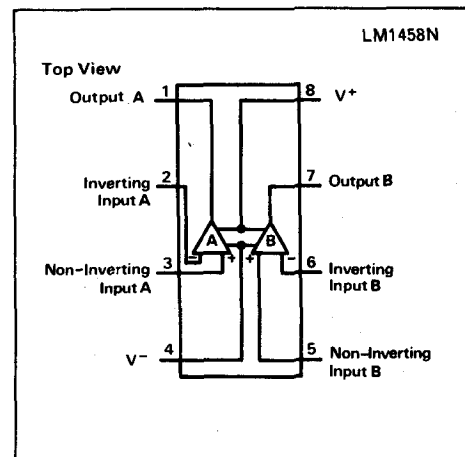
Supply Voltage	LM1558	$\pm 22V$
	LM1458	$\pm 18V$
Power Dissipation (Note 1)		
	LM1558H/LM1458H	500mW
	LM1458N	400mW
Differential Input Voltage		$\pm 30V$
Input Voltage (Note 2)		$\pm 15V$
Output Short-Circuit Duration		Indefinite

CONNECTION DIAGRAM



See outline drawing No. 97 for dimensions.

CONNECTION DIAGRAM



See outline drawing No. 103 for dimensions.

Operating Temperature Range		
	LM1558	$-55^{\circ}C$ to $125^{\circ}C$
	LM1458	$0^{\circ}C$ to $70^{\circ}C$
Storage Temperature Range		$-65^{\circ}C$ to $150^{\circ}C$
Lead Temperature (Soldering, 10 sec)		$300^{\circ}C$

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