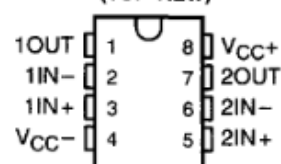


RC4558, RC4558Y, RM4558, RV4558 DUAL GENERAL-PURPOSE OPERATIONAL AMPLIFIERS

SLOS073 – MARCH 1976 – REVISED AUGUST 1991

- Continuous-Short-Circuit Protection
- Wide Common-Mode and Differential Voltage Ranges
- No Frequency Compensation Required
- Low Power Consumption
- No Latch-Up
- Unity Gain Bandwidth . . . 3 MHz Typ
- Gain and Phase Match Between Amplifiers
- Low Noise . . . 8 nV $\sqrt{\text{Hz}}$ Typ at 1 kHz
- Designed To Be Interchangeable With Raytheon RC4558, RM4558, and RV4558

D, DB, JG, P, OR PW PACKAGE
(TOP VIEW)



description

The RC4558, RM4558, and RV4558 are dual general-purpose operational amplifiers with each half electrically similar to the $\mu\text{A}741$ except that offset null capability is not provided.

The high common-mode input voltage range and the absence of latch-up make these amplifiers ideal for voltage-follower applications. The devices are short-circuit protected and the internal frequency compensation ensures stability without external components.

The RC4558 is characterized for operation from 0°C to 70°C, the RM4558 is characterized for operation over the full military temperature range of -55°C to 125°C, and the RV4558 is characterized for operation from -40°C to 85°C.

AVAILABLE OPTIONS

T _A	V _{IO} max AT 25°C	PACKAGED DEVICES					CHIP FORM (Y)
		SMALL OUTLINE (D)	SSOP (DBLE)	CERAMIC DIP (JG)	PLASTIC DIP (P)	SSOP (PWLE)	
0°C to 70°C	6 mV	RC4558D	RC4558DBLE	—	RC4558P	RC4558PWLE	RC4558Y
-40°C to 85°C	6 mV	RV4558D	—	—	RV4558P	—	—
-55°C to 125°C	6 mV	—	—	RM4558JG	—	—	—

The D package is available taped and reeled. Add the suffix R to the device type (e.g., RC4558DR). The DB and PW packages are available only left-end taped and reeled. RC4558Y is tested at 25°C.

PRODUCTION DATA information is current as of publication date. Products conform to specifications per the terms of Texas Instruments standard warranty. Production processing does not necessarily include testing of all parameters.

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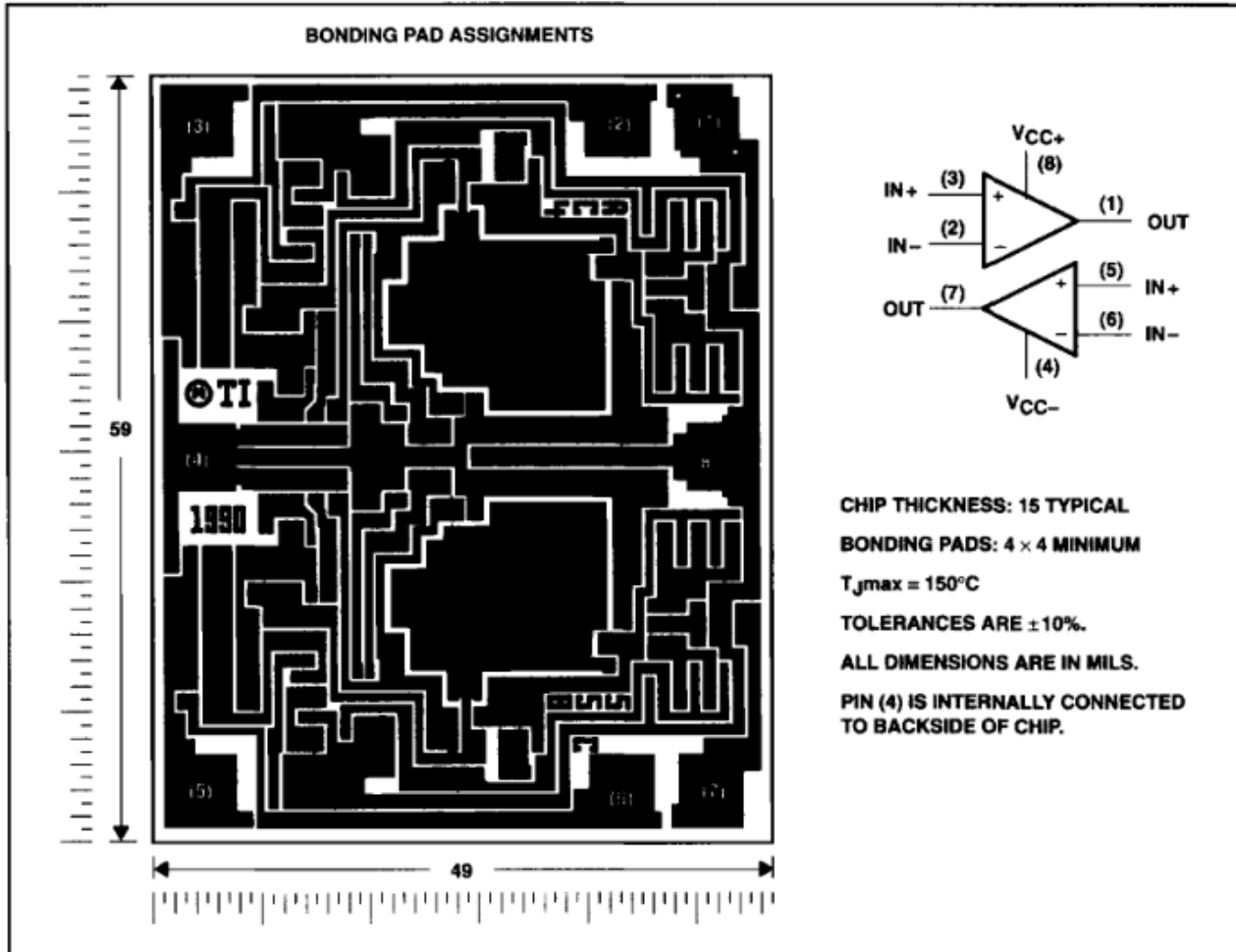
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RC4558Y chip information

These chips, properly assembled, display characteristics similar to the RC4558. Thermal compression or ultrasonic bonding may be used on the doped-aluminum bonding pads. Chips may be mounted with conductive epoxy or a gold-silicon preform.



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