

Product Overview

KA358: Dual Operational Amplifier

For complete documentation, see the data sheet.

The KA358 series consist of two independent, high gain, internally frequency compensated operational amplifiers which were designed specifically to operate from a single power supply over a wide range of voltage. Operation from split power supplies is also possible and the low power supply current drain is independent of the magnitude of the power supply voltage. Application areas include transducer amplifier, DC gain blocks and all the conventional OP amp circuits which now can be easily implemented in single power supply systems.

Features

- Internally frequency compensated for unity gain
- Large DC voltage gain: 100 dB
- Wide power supply range:
- KA258 / KA258A, KA358 / KA358A: 3 V ~ 32 V (or ± 1.5 V ~ 16 V)
- KA2904: 3 V ~ 26 V (or ± 1.5 V ~ 13 V)
- Input common-mode voltage range includes ground
- Large output voltage swing: 0 V DC to $V_{CC} - 1.5$ V DC
- Power drain suitable for battery operation.

Applications

- This product is general usage and suitable for many different applications.

Part Electrical Specifications

Product	Compliance	Status	Rail to Rail	Channels	V_S Min (V)	V_S Max (V)	I_q Typ (mA)	V_{OS} Max (mV)	GBW Typ (MHz)	SR Typ (V/ μ s)	I_o Typ (mA)	$\Delta V_{OS}/\Delta T$ (μ V/C)	e_N (nV/ \sqrt Hz)	I_{bias} Typ (pA)	CMRR Typ (dB)	Architecture	Temperature Range ($^{\circ}$ C)	Package Type
KA358	Pb-free	Active	No	2	3	32	0.4	7	1	0.4	15	7	-	4000	80	Bipolar	0 to 70	PDIP-8
KA358DTF	Pb-free	Active	No	2	3	32	0.4	7	1	0.4	15	7	-	4000	80	Bipolar	0 to 70	SOIC-8

For more information please contact your local sales support at www.onsemi.com.

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