

## Product Overview

### TCA0372: Operational Amplifier, 1 A, Dual

For complete documentation, see the data sheet.

The TCA0372 is a monolithic circuit intended for use as a power op-amp in a wide range of applications, including servo amplifiers and power supplies. No deadband crossover distortion provides better performance for driving coils.

### Features

- Output Current to 1.0 A
- Slew Rate of 1.3 V/μs
- Wide Bandwidth of 1.1 MHz
- Internal Thermal Shutdown
- Single or Split Supply Operation
- Excellent Gain and Phase Margins
- Common Mode Input Includes Ground
- Zero Deadband Crossover Distortion

### Applications

- Signal Conditioning
- Sensor Interface

### End Products

- White Goods
- Medical Equipment
- Industrial Equipment

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Rail to Rail	Channels	V <sub>S</sub> Min (V)	V <sub>S</sub> Max (V)	I <sub>a</sub> Typ (mA)	V <sub>OS</sub> Max (mV)	GBW Typ (MHz)	SR Typ (V/μs)	I <sub>O</sub> Typ (mA)	ΔV <sub>OS</sub> /ΔT (μV/C)	e <sub>N</sub> (nV/√Hz)	I <sub>bias</sub> Typ (pA)	CMRR Typ (dB)	Architecture	Temperature Range (°C)	Package Type
NCV0372BDWR2G	0.5388	AEC Qualified PPAP Capable Pb-free Halide free	Active	No	2	5	40	2.5	15	1.4	1.4	1000	20	22	10000	90	Bipolar	-40 to 125	SOIC-16W
TCA0372BDWR2G	0.4453	Pb-free Halide free	Active	No	2	5	40	2.5	15	1.4	1.4	1000	20	22	10000	90	Bipolar	-40 to 125	SOIC-16W
TCA0372DWR2G	0.4511	Pb-free Halide free	Active	No	2	5	40	2.5	15	1.4	1.4	1000	20	22	10000	90	Bipolar	-40 to 125	SOIC-16W

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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