

Product Overview

FOD2711A: 8-PIN DIP Error Amplifier Optocoupler

For complete documentation, see the data sheet.

The FOD2711A Optically Isolated Amplifier consists of the popular AZ431L precision programmable shunt reference and an optocoupler. The optocoupler is a gallium arsenide (GaAs) light emitting diode optically coupled to a silicon phototransistor. The reference voltage tolerance is 1%. The current transfer ratio (CTR) ranges from 100% to 200%. It is primarily intended for use as the error amplifier/reference voltage/optocoupler function in isolated AC to DC power supplies and dc/dc converters. When using the FOD2711A, power supply designers can reduce the component count and save space in tightly packaged designs. The tight tolerance reference eliminates the need for adjustments in many applications. The device comes in a 8-pin dip white package.

Features

- Optocoupler, precision reference and error amplifier in single package
- 1.240V \pm 1% reference
- CTR 100% to 200%
- 5,000V RMS isolation
- UL approval E90700, Volume 2

Applications

- AC-DC Merchant Power Supply
- Consumer Appliances
- Industrial Motor

Part Electrical Specifications

Product	Compliance	Status	V _{REF} Tolerance (%)	V _{REF} (Min) (V)	V _{REF} (Typ) (V)	V _{REF} (Max) (V)	CTR (Min) (%)	CTR (Max) (%)	CTR tested @ I _F (mA)	V _{CE(sat)} (Max) (V)	BV _{CEO} (Min) (V)	V _{ISO} (Min) (V)	T _{OPR} (Min) (°C)	T _{OPR} (Max) (°C)	Package Type
FOD2711A	Pb-free	Active	1	1.228	1.24	1.252	100	200	10	0.4	70	5000	-40	85	PDIP-8
FOD2711AS	Pb-free	Active	1	1.228	1.24	1.252	100	200	10	0.4	70	5000	-40	85	PDIP-8 GW
FOD2711ASD	Pb-free	Active	1	1.228	1.24	1.252	100	200	10	0.4	70	5000	-40	85	PDIP-8 GW
FOD2711ASDV	Pb-free	Active	1	1.228	1.24	1.252	100	200	10	0.4	70	5000	-40	85	PDIP-8 GW
FOD2711ASV	Pb-free	Active	1	1.228	1.24	1.252	100	200	10	0.4	70	5000	-40	85	PDIP-8 GW
FOD2711ATV	Pb-free	Active	1	1.228	1.24	1.252	100	200	10	0.4	70	5000	-40	85	PDIP-8
FOD2711AV	Pb-free	Active	1	1.228	1.24	1.252	100	200	10	0.4	70	5000	-40	85	PDIP-8

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

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