

## Product Overview

### FOD817: 4-Pin DIP Phototransistor Optocouplers

For complete documentation, see the data sheet.

The FOD814 consists of two gallium arsenide infrared emitting diodes, connected in inverse parallel, driving a silicon phototransistor output in a 4-pin dual in-line package. The FOD817 Series consists of a gallium arsenide infrared emitting diode driving a silicon phototransistor in a 4-pin dual in-line package..

### Features

- AC Input Response (FOD814)
  - Current Transfer Ratio in Selected Groups:
  - FOD814: 20-300%
  - FOD814A: 50-150%
  - FOD817: 50-600%
  - FOD817A: 80-160%
  - FOD817B: 130-260%
  - FOD817C: 200-400%
  - FOD817D: 300-600%
  - Minimum BVCEO of 70 V Guaranteed
- For more features, see the data sheet

### Applications

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

### Part Electrical Specifications

Product	Compliance	Status	Channels	CTR (Min) (%)	CTR (Max) (%)	CTR tested @ IF (mA)	V <sub>CE(sat)</sub> (Max) (V)	BV <sub>CE</sub> (Min) (V)	BV <sub>CB</sub> (Min) (V)	BV <sub>EC</sub> (Min) (V)	t <sub>on</sub> (Max) (μs)	t <sub>off</sub> (Max) (μs)	V <sub>ISO</sub> (Min) (V)	T <sub>OPR</sub> (Min) (°C)	T <sub>OPR</sub> (Max) (°C)	Package Type
FOD817	Pb-free	Active	1	50	600	5	0.2	70	-	6	-	-	5000	-55	110	PDIP-4
FOD817300	Pb-free	Active	1	50	600	5	0.2	70	-	6	-	-	5000	-55	110	PDIP-4
FOD817300W	Pb-free	Active	1	50	600	5	0.2	70	-	6	-	-	5000	-55	110	PDIP-4
FOD8173S	Pb-free	Active	1	50	600	5	0.2	70	-	6	-	-	5000	-55	110	PDIP-4 GW
FOD8173SD	Pb-free	Active	1	50	600	5	0.2	70	-	6	-	-	5000	-55	110	PDIP-4 GW
FOD817S	Pb-free	Active	1	50	600	5	0.2	70	-	6	-	-	5000	-55	110	PDIP-4 GW
FOD817SD	Pb-free	Active	1	50	600	5	0.2	70	-	6	-	-	5000	-55	110	PDIP-4 GW

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

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