

## FODM217D

# Single Channel, DC Sensing Input, Phototransistor Optocoupler In Half-Pitch Mini-Flat 4-Pin Package

## Product Overview

For complete documentation, see the data sheet.

The FODM217 Series single channel, DC sensing input, optocoupler consists of one gallium arsenide (GaAs) infrared light emitting diode optically coupled to one phototransistor, in a compact, half-pitch, mini-flat, 4-pin package. The input-output isolation voltage, VISO, is rated at 3,750 VACRMS.

## Features

- Current Transfer Ratio Ranges from 80 to 600% at IF = 5 mA, VCE = 5 V, TA = 25°C- FODM217A - 80 to 160%- FODM217B - 130 to 260%- FODM217C - 200 to 400%- FODM217D - 300 to 600%
- Safety and Regulatory Approvals: - UL1577, 3750 VACRMS for 1 min - DIN EN/IEC60747-5-5, 565 V Peak Working Insulation Voltage
- Applicable to Infrared Ray Reflow, 260°C

## Applications

- Consumer Appliances
- DC-DC Merchant Power Supply
- Set Top Boxes

## Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channels	CTR (Min) (%)	CTR (Max) (%)	CTR tested @ IF (mA)	V <sub>CE(sat)</sub> (Max) (V)	BV <sub>CE0</sub> (Min) (V)	BV <sub>CO</sub> (Min) (V)	BV <sub>EO</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
FODM217D	0.1617		Active	1	300	600	5	0.4	80	-	7	3	3	3750	-55	110	MFP-4
FODM217DR2	0.1693		Active	1	300	600	5	0.4	80	-	7	3	3	3750	-55	110	MFP-4
FODM217DR2V	0.2784		Active	1	300	600	5	0.4	80	-	7	3	3	3750	-55	110	MFP-4
FODM217DV	0.2809		Active	1	300	600	5	0.4	80	-	7	3	3	3750	-55	110	MFP-4