

Product Overview

FODM217C: Single Channel, DC Sensing Input, Phototransistor Optocoupler In Half-Pitch Mini-Flat 4-Pin Package

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, V_{ISO}, is rated at 3,750 VACRMS.

Features

- Current Transfer Ratio Ranges from 80 to 600% at IF = 5 mA, V_{CE} = 5 V, T_A = 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	Compliance	Status	Channels	CTR (Min) (%)	CTR (Max) (%)	CTR tested @ IF (mA)	V _{CE(sat)} (Max) (V)	BV _{CE} (Min) (V)	BV _{CB} (Min) (V)	BV _{EC} (Min) (V)	t _{on} (Max) (μs)	t _{off} (Max) (μs)	V _{ISO} (Min) (V)	T _{OPR} (Min) (°C)	T _{OPR} (Max) (°C)	Package Type
FODM217C	Pb-free	Active	1	200	400	5	0.4	80	-	7	3	3	3750	-55	110	MFP-4
FODM217CR2	Pb-free	Active	1	200	400	5	0.4	80	-	7	3	3	3750	-55	110	MFP-4
FODM217CR2V	Pb-free	Active	1	200	400	5	0.4	80	-	7	3	3	3750	-55	110	MFP-4
FODM217CV	Pb-free	Active	1	200	400	5	0.4	80	-	7	3	3	3750	-55	110	MFP-4

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

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