

Product Overview

4N37M: 6-Pin DIP Package Phototransistor Output Optocoupler

For complete documentation, see the data sheet.

The general purpose optocouplers consist of a galliumarsenide infrared emitting diode driving a silicon phototransistor in a 6-pin dual in-line package.

Features

- Minimum Current Transfer Ratio at $I_F = 10 \text{ mA}$, $V_{CE} = 10 \text{ V}$:
 - 10% for 4N27M and 4N28M
 - 20% for 4N25M and 4N26M
 - 100% for 4N35M, 4N36M and 4N37M
- Safety and Regulatory Approvals:
 - UL1577, 4,170 VACRMS for 1 Minute
 - DIN-EN/IEC60747-5-5, 850 V Peak Working Insulation Voltage

Applications

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

Part Electrical Specifications

Product	Compliance	Status	Chan nels	CTR (Min) (%)	CTR (Max) (%)	CTR teste d @ I_F (mA)	$V_{CE(sat)}$ (Max) (V)	BV_{CEo} (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) ($^{\circ}\text{C}$)	T_{OPR} (Max) ($^{\circ}\text{C}$)	Pack age Type
4N37M	Pb-free	Active	1	100	-	10	0.3	30	70	7	2	2	4200	-40	100	PDIP -6
4N37SM	Pb-free	Active	1	100	-	10	0.3	30	70	7	2	2	4200	-40	100	PDIP -6
4N37SR2M	Pb-free	Active	1	100	-	10	0.3	30	70	7	2	2	4200	-40	100	PDIP -6
4N37SR2VM	Pb-free	Active	1	100	-	10	0.3	30	70	7	2	2	4200	-40	100	PDIP -6
4N37TVM	Pb-free	Active	1	100	-	10	0.3	30	70	7	2	2	4200	-40	100	PDIP -6
4N37VM	Pb-free	Active	1	100	-	10	0.3	30	70	7	2	2	4200	-40	100	PDIP -6

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

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