

Product Overview

4N25M: 6-Pin DIP Package Phototransistor Output Optocoupler

For complete documentation, see the data sheet.

The general purpose optocouplers consist of a gallium arsenide infrared emitting diode driving a silicon photo-transistor in a standard plastic six-pin dual-in-line package.

Features

- Minimum Current Transfer Ratio at IF = 10 mA, VCE = 10 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 @ 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)	Pack age Type
4N25M	Pb-free	Active	1	20	-	10	0.5	30	70	7	2	2	4200	-40	100	PDIP -6
4N25SM	Pb-free	Active	1	20	-	10	0.5	30	70	7	2	2	4200	-40	100	PDIP -6
4N25SR2M	Pb-free	Active	1	20	-	10	0.5	30	70	7	2	2	4200	-40	100	PDIP -6
4N25SR2VM	Pb-free	Active	1	20	-	10	0.5	30	70	7	2	2	4200	-40	100	PDIP -6
4N25TVM	Pb-free	Active	1	20	-	10	0.5	30	70	7	2	2	4200	-40	100	PDIP -6
4N25VM	Pb-free	Active	1	20	-	10	0.5	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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