Product Overview

MOC212M: 8-pin SOIC Single-Channel Phototransistor Output Optocoupler

For complete documentation, see the data sheet.

These devices consist of a gallium arsenide infrared emitting diode optically coupled to a monolithic silicon phototransistor detector, in a surface mountable, small outline, plastic package. They are ideally suited for high-density applications, and eliminate the need for through-the-board mounting.

Features

- Closely Matched Current Transfer Ratios
- Minimum BVCEO of 70 V Guaranteed
- MOC205M, MOC206M, MOC207M
- Minimum BVCEO of 30 V Guaranteed
- MOC211M, MOC212M, MOC213M, MOC216M,MOC217M
- Low LED Input Current Required for Easier Logic Interfacing
- MOC216M, MOC217M
- Convenient Plastic SOIC-8 Surface Mountable Package Style, with 0.050" Lead Spacing
- Safety and Regulatory Approvals:
- UL1577, 2,500 VACRMS for 1 Minute

  For more features, see the data sheet

Applications

- Consumer Appliances
- Industrial Motor

Part Electrical Specifications

Product	Compliance	Status	Channels	CTR (Min) (%)	CTR (Max) (%)	CTR tested @ IF (mA)	$V_{CE(sat)}$ (Max) (V)	BV_{CEO} (Min) (V)	BV_{CBO} (Min) (V)	BV_{ECO} (Min) (V)	t_{on} (Max) (µs)	t_{off} (Max) (µs)	V_{ISO} (Min) (V)	T_{OPR} (Min) (°C)	T_{OPR} (Max) (°C)	Package Type
MOC212M	Pb-free	Active	1	50	-	10	0.4	30	70	7	7.5	5.7	2500	-40	100	SOIC-8
MOC212R2M	Pb-free	Active	1	50	-	10	0.4	30	70	7	7.5	5.7	2500	-40	100	SOIC-8

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

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