

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 BV_{CEO} of 70 V Guaranteed
 - MOC205M, MOC206M, MOC207M
 - Minimum BV_{CEO} 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 VAC_{RMS} for 1 Minute
- For more features, see the data sheet

Applications

- 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_{CEO} (Min) (V)	BV_{CB} (Min) (V)	BV_{EC} (Min) (V)	t_{on} (Max) (μ s)	t_{off} (Max) (μ s)	V_{ISO} (Min) (V)	T_{OPR} (Min) ($^{\circ}$ C)	T_{OPR} (Max) ($^{\circ}$ C)	Pack age 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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