

Product Overview

MOC211M: 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	Pricing (\$/Unit)	Compliance	Status	Channels	CTR (Min) (%)	CTR (Max) (%)	CTR tested @ IF (mA)	V _{CE(sat)} (Max) (V)	BV _{CE0} (Min) (V)	BV _{CB0} (Min) (V)	BV _{EC0} (Min) (V)	t _{on} (Max) (μs)	t _{off} (Max) (μs)	V _{ISO} (Min) (V)	T _{OPR} (Min) (°C)	T _{OPR} (Max) (°C)	Package Type
MOC211M	0.2692	Pb-free	Active	1	20	-	10	0.4	30	70	7	7.5	5.7	2500	-40	100	SOIC-8
MOC211R2M	0.2939	Pb-free	Active	1	20	-	10	0.4	30	70	7	7.5	5.7	2500	-40	100	SOIC-8
MOC211R2VM	0.3	Pb-free	Active			-			30								SOIC-8
MOC211VM	0.28	Pb-free	Active			-			30								SOIC-8

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

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