



### **MOC215R2M Information**



For Reference Only

Part Number MOC215R2M

Manufacturer Fairchild/ON Semiconductor

**Category** Isolators

Optoisolators - Transistor, Photovoltaic Output

**Description** OPTOISO 2.5KV TRANS W/BASE 8SOIC

Package 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **MOC215R2M Specifications**

Manufacturer Part Number         MOC215R2M           Manufacturer         Fairchild/ON Semiconductor           Category         Isolators           Optoisolators - Transistor, Photovoltaic Output           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Number of Channels         1           Voltage - Isolation         2500Vrms           Current Transfer Ratio (Min)         20% @ 1mA           Current Transfer Ratio (Max)         -           Turn On / Turn Off Time (Typ)         4µs, 4µs           Rise / Fall Time (Typ)         3µs, 3µs           Input Type         DC           Output Type         DC           Output Type         Transistor with Base           Voltage - Output (Max)         30V           Current - Output / Channel         150mA           Voltage - Forward (Vf) (Typ)         1.07V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         400mV           Operating Temperature         -40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package	•	
Category         Isolators           Optoisolators - Transistor, Photovoltaic Output           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Number of Channels         1           Voltage - Isolation         2500Vrms           Current Transfer Ratio (Min)         20% @ ImA           Current Transfer Ratio (Max)         -           Turn On / Turn Off Time (Typ)         4μs, 4μs           Rise / Fall Time (Typ)         3μs, 3μs           Input Type         DC           Output Type         Transistor with Base           Voltage - Output (Max)         30V           Current - Output / Channel         150mA           Voltage - Forward (Vf) (Typ)         1.07V           Current - DC Forward (If) (Max)         60mA           Vec Saturation (Max)         400mV           Operating Temperature         -40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SO Tall	Manufacturer Part Number	MOC215R2M
Package 8-SOIC (0.154", 3.90mm Width)  Series - Number of Channels 1 Voltage - Isolation 2500Vrms  Current Transfer Ratio (Min) 20% @ 1mA  Current Transfer Ratio (Max) - Turn On / Turn Off Time (Typ) 4µs, 4µs Rise / Fall Time (Typ) 3µs, 3µs Input Type DC  Output Type DC  Output Type Transistor with Base  Voltage - Output / Channel 150mA  Voltage - Forward (Vf) (Typ) 1.07V  Current - DC Forward (If) (Max) 60mA  Vec Saturation (Max) 400mV  Operating Temperature 40°C ~ 100°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Manufacturer	Fairchild/ON Semiconductor
Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Number of Channels         1           Voltage - Isolation         2500Vrms           Current Transfer Ratio (Min)         20% @ 1mA           Current Transfer Ratio (Max)         -           Turn On / Turn Off Time (Typ)         4µs, 4µs           Rise / Fall Time (Typ)         3µs, 3µs           Input Type         DC           Output Type         Transistor with Base           Voltage - Output (Max)         30V           Current - Output / Channel         150mA           Voltage - Forward (Vf) (Typ)         1.07V           Current - DC Forward (If) (Max)         60mA           Vce Saturation (Max)         400mV           Operating Temperature         -40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SO Tall	Category	Isolators
Series         -           Number of Channels         1           Voltage - Isolation         2500Vrms           Current Transfer Ratio (Min)         20% @ 1mA           Current Transfer Ratio (Max)         -           Turn On / Turn Off Time (Typ)         4μs, 4μs           Rise / Fall Time (Typ)         3μs, 3μs           Input Type         DC           Output Type         Transistor with Base           Voltage - Output (Max)         30V           Current - Output / Channel         150mA           Voltage - Forward (Vf) (Typ)         1.07V           Current - DC Forward (If) (Max)         60mA           Vce Saturation (Max)         400mV           Operating Temperature         -40°C ~ 100°C           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SO Tall		Optoisolators - Transistor, Photovoltaic Output
Number of Channels1Voltage - Isolation2500VrmsCurrent Transfer Ratio (Min)20% @ 1mACurrent Transfer Ratio (Max)-Turn On / Turn Off Time (Typ)4μs, 4μsRise / Fall Time (Typ)3μs, 3μsInput TypeDCOutput TypeTransistor with BaseVoltage - Output (Max)30VCurrent - Output / Channel150mAVoltage - Forward (Vf) (Typ)1.07VCurrent - DC Forward (If) (Max)60mAVce Saturation (Max)400mVOperating Temperature-40°C ~ 100°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Package	8-SOIC (0.154", 3.90mm Width)
Voltage - Isolation 2500 Vrms  Current Transfer Ratio (Min) 20% @ 1mA  Current Transfer Ratio (Max) -  Turn On / Turn Off Time (Typ) 4µs, 4µs  Rise / Fall Time (Typ) 3µs, 3µs  Input Type DC  Output Type DC  Output Type Transistor with Base  Voltage - Output (Max) 30V  Current - Output / Channel 150mA  Voltage - Forward (Vf) (Typ) 1.07V  Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 400mV  Operating Temperature 40°C ~ 100°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO Tall	Series	-
Current Transfer Ratio (Min)  Current Transfer Ratio (Max)  Turn On / Turn Off Time (Typ)  Aµs, 4µs  Rise / Fall Time (Typ)  3µs, 3µs  Input Type  DC  Output Type  Transistor with Base  Voltage - Output (Max)  Current - Output / Channel  Voltage - Forward (Vf) (Typ)  1.07V  Current - DC Forward (If) (Max)  Vee Saturation (Max)  Operating Temperature  A0mV  Operating Temperature  A0mC ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Number of Channels	1
Current Transfer Ratio (Max) - Turn On / Turn Off Time (Typ) $4\mu s$ , $4\mu s$ Rise / Fall Time (Typ) $3\mu s$ , $3\mu s$ Input Type DC Output Type Transistor with Base Voltage - Output (Max) $30V$ Current - Output / Channel $150mA$ Voltage - Forward (Vf) (Typ) $1.07V$ Current - DC Forward (If) (Max) $400mV$ Operating Temperature $-40^{\circ}C \sim 100^{\circ}C$ Mounting Type Surface Mount Package / Case $8-SOIC$ ( $0.154^{\circ}$ , $3.90mm$ Width) Supplier Device Package	Voltage - Isolation	2500Vrms
Turn On / Turn Off Time (Typ)  Rise / Fall Time (Typ)  3μs, 3μs  Input Type  DC  Output Type  Transistor with Base  Voltage - Output (Max)  30V  Current - Output / Channel  150mA  Voltage - Forward (Vf) (Typ)  1.07V  Current - DC Forward (If) (Max)  60mA  Vce Saturation (Max)  400mV  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Current Transfer Ratio (Min)	20% @ 1mA
Rise / Fall Time (Typ)  Input Type  DC  Output Type  Transistor with Base  Voltage - Output (Max)  30V  Current - Output / Channel  150mA  Voltage - Forward (Vf) (Typ)  1.07V  Current - DC Forward (If) (Max)  60mA  Vee Saturation (Max)  400mV  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Current Transfer Ratio (Max)	-
Input Type Output Type Transistor with Base Voltage - Output (Max) 30V Current - Output / Channel 150mA Voltage - Forward (Vf) (Typ) 1.07V Current - DC Forward (If) (Max) 60mA Vce Saturation (Max) 400mV Operating Temperature 40°C ~ 100°C Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO Tall	Turn On / Turn Off Time (Typ)	4μs, 4μs
Output Type  Transistor with Base  Voltage - Output (Max)  Current - Output / Channel  150mA  Voltage - Forward (Vf) (Typ)  1.07V  Current - DC Forward (If) (Max)  Vce Saturation (Max)  Operating Temperature  400mV  Operating Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Rise / Fall Time (Typ)	3μs, 3μs
Voltage - Output (Max)  Current - Output / Channel  150mA  Voltage - Forward (Vf) (Typ)  1.07V  Current - DC Forward (If) (Max)  60mA  Vce Saturation (Max)  400mV  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO Tall	Input Type	DC
Current - Output / Channel 150mA  Voltage - Forward (Vf) (Typ) 1.07V  Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 400mV  Operating Temperature -40°C ~ 100°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO Tall	Output Type	Transistor with Base
Voltage - Forward (Vf) (Typ)  1.07V  Current - DC Forward (If) (Max)  60mA  Vce Saturation (Max)  400mV  Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO Tall	Voltage - Output (Max)	30V
Current - DC Forward (If) (Max) 60mA  Vce Saturation (Max) 400mV  Operating Temperature -40°C ~ 100°C  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO Tall	Current - Output / Channel	150mA
Vce Saturation (Max)400mVOperating Temperature-40°C ~ 100°CMounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO Tall	Voltage - Forward (Vf) (Typ)	1.07V
Operating Temperature  -40°C ~ 100°C  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO Tall	Current - DC Forward (If) (Max)	60mA
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO Tall	Vce Saturation (Max)	400mV
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO Tall	Operating Temperature	-40°C ~ 100°C
Supplier Device Package 8-SO Tall	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
	Supplier Device Package	8-SO Tall
Report errors?		Report errors?

#### **MOC215R2M Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### **MOC215R2M Payment Methods**

































If you have any question about MOC215R2M, please do not hesitate to contact us!

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