



## **MIC5015BM Information**



For Reference Only

Part Number MIC5015BM

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER MOSF HI/LOW SIDE 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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# **MIC5015BM Specifications**

Manufacturer Part Number  Manufacturer  Microchip Technology  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  - Driven Configuration  High-Side or Low-Side  Channel Type  Single  Number of Drivers  1  Gate Type  N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  - Driven Configuration  High-Side or Low-Side  Single  Number of Drivers  1  Gate Type  N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Au°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Manufacturer Part Number	MIC5015BM
Package 8-SOIC (0.154", 3.90mm Width)  Series - Driven Configuration High-Side or Low-Side  Channel Type Single  Number of Drivers 1  Gate Type N-Channel MOSFET  Voltage - Supply 2.75 V ~ 30 V  Logic Voltage - VIL, VIH 0.8V, 2V  Current - Peak Output (Source, Sink) -  Input Type Inverting  High Side Voltage - Max (Bootstrap) -  Rise / Fall Time (Typ) -  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Manufacturer	Microchip Technology
Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply2.75 V ~ 30 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)-Input TypeInvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)-Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Category	Integrated Circuits (ICs)
Series - Driven Configuration High-Side or Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 2.75 V ~ 30 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) - Input Type Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package		PMIC - Gate Drivers
Driven Configuration Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 2.75 V ~ 30 V Logic Voltage - VIL, VIH 0.8V, 2V  Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
Channel Type  Number of Drivers  1  Gate Type  N-Channel MOSFET  Voltage - Supply  2.75 V ~ 30 V  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Series	-
Number of Drivers  Gate Type  N-Channel MOSFET  Voltage - Supply  2.75 V ~ 30 V  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Driven Configuration	High-Side or Low-Side
Gate Type  N-Channel MOSFET  Voltage - Supply  2.75 V ~ 30 V  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Channel Type	Single
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Voltage - Supply	2.75 V ~ 30 V
Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Current - Peak Output (Source, Sink)	-
Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Input Type	Inverting
Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Rise / Fall Time (Typ)	-
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
10000		Report errors?

#### **MIC5015BM 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.

### **MIC5015BM Payment Methods**



















### **MIC5015BM Shipping Methods**













If you have any question about MIC5015BM, please do not hesitate to contact us!

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