

# MIC4225YMME

## **MIC4225YMME Information**

	Part Number	MIC4225YMME	
	Manufacturer	Microchip Technology	EI 2500 EI
www.taidur.com	Category	Integrated Circuits (ICs) PMIC - Gate Drivers	
	Description	IC MOSFET DVR INV-NON 4A 8-MSOP	- 69 - <b>1</b> - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -
	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	
		For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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# **MIC4225YMME Specifications**

Manufacturer Part Number MIC4225YMME   Manufacturer Microchip Technology   Category Integrated Circuits (ICs)   Part C - Gate Drivers PMIC - Gate Drivers   Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad   Series -   Driven Configuration Low-Side   Channel Type Independent   Number of Drivers 2   Gate Type N-Channel MOSFET   Voltage - Supply 4.5 V ~ 18 V   Logic Voltage - VIL, VIH 0.8V, 2.4V   Current - Peak Output (Source, Sink) 4.4, 4A   Input Type Inverting, Non-Inverting   High Side Voltage - Max (Bootstrap) -   Operating Temperature 40°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad   Supplier Device Package 8-MSOP-EP			
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage&-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4.4 AAInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Manufacturer Part Number	MIC4225YMME	
PMIC - Gate DriversPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)15ns, 15nsOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Manufacturer	Microchip Technology	
Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4.4 AHigh Side Voltage - Max (Bootstrap)-Size / Fall Time (Typ)Joss, 15nsOperating TemperatureSurface MountAunting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Category	Integrated Circuits (ICs)	
Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4.4 AAInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-MSOP-EPSupplier Device Package8-MSOP-EP		PMIC - Gate Drivers	
Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)J5ns, 15nsOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	
Channel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Qerating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Series	-	
Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Driven Configuration	Low-Side	
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)15ns, 15nsOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Channel Type	Independent	
Voltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Number of Drivers	2	
Logic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Gate Type	N-Channel MOSFET	
Current - Peak Output (Source, Sink)4A, 4AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Voltage - Supply	4.5 V ~ 18 V	
Input TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Logic Voltage - VIL, VIH	0.8V, 2.4V	
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Current - Peak Output (Source, Sink)	4A, 4A	
Rise / Fall Time (Typ)15ns, 15nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Input Type	Inverting, Non-Inverting	
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	High Side Voltage - Max (Bootstrap)	-	
Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Rise / Fall Time (Typ)	15ns, 15ns	
Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Operating Temperature	-40°C ~ 125°C (TJ)	
Supplier Device Package 8-MSOP-EP	Mounting Type	Surface Mount	
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	
Report errors?	Supplier Device Package	8-MSOP-EP	
			Report errors?

#### **MIC4225YMME 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

### MIC4225YMME Payment Methods



# **MIC4225YMME Shipping Methods**



If you have any question about MIC4225YMME, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com