



MIC4609YWM-TR Information



For Reference Only

Part Number MIC4609YWM-TR

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC GATE DRVR HALF-BRIDGE 28SOIC

Package 28-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

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



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MIC4609YWM-TR Specifications

Manufacturer Part NumberMIC4609YWM-TRManufacturerMicrochip TechnologyCategoryIntegrated Circuits (ICs)PACKage28-SOIC (0.295", 7.50mm Width)Series-Driven ConfigurationHalf-BridgeChannel Type3-PhaseNumber of Drivers6Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC		
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Number of Drivers6Gate TypeIGBT, N-Channel, P-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.2VCurrent - Peak Output (Source, Sink)1A, 1AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)20ns, 20nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case28-SOIC (0.295", 7.50mm Width)Supplier Device Package28-SOIC	Driven Configuration	Half-Bridge
Gate Type IGBT, N-Channel, P-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Channel Type	3-Phase
Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Number of Drivers	6
Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Gate Type	IGBT, N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Voltage - Supply	10 V ~ 20 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 600V Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2.2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package	Current - Peak Output (Source, Sink)	1A, 1A
Rise / Fall Time (Typ) 20ns, 20ns Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Input Type	Non-Inverting
Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Surface Mount Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Rise / Fall Time (Typ)	20ns, 20ns
Package / Case 28-SOIC (0.295", 7.50mm Width) Supplier Device Package 28-SOIC	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 28-SOIC	Mounting Type	Surface Mount
	Package / Case	28-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	28-SOIC
		Report errors?

MIC4609YWM-TR 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.

MIC4609YWM-TR Payment Methods



















MIC4609YWM-TR Shipping Methods













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