



### **MIC4468CN Information**



For Reference Only

Part Number MIC4468CN

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER MOSF QUAD 1.2A 14-DIP

**Package** 14-DIP (0.300", 7.62mm)

For the pricing/inventory/lead time, please contact

us

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## **MIC4468CN Specifications**

Manufacturer Part Number         MIC4468CN           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           PACKage         14-DIP (0.300", 7.62mm)           Series         -           Driven Configuration         Low-Side           Channel Type         Independent           Number of Drivers         4           Gate Type         N-Channel, P-Channel MOSFET           Voltage - Supply         4.5 V ~ 18 V           Logic Voltage - VIL, VIH         0.8V, 2.4V           Current - Peak Output (Source, Sink)         1.2A, 1.2A           Input Type         Non-Inverting           High Side Voltage - Max (Bootstrap)         -           Rise / Fall Time (Typ)         14ns, 13ns           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         Through Hole           Package / Case         14-DIP (0.300", 7.62mm)           Supplier Device Package         14-DIP		
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage14-DIP (0.300", 7.62mm)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers4Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)14ns, 13nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeThrough HolePackage / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-DIP	Manufacturer Part Number	MIC4468CN
Package 14-DIP (0.300", 7.62mm)  Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) 1.2A, 1.2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 14ns, 13ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Through Hole Package / Case 14-DIP (0.300", 7.62mm) Supplier Device Package	Manufacturer	Microchip Technology
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Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers4Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)14ns, 13nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeThrough HolePackage / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-DIP		PMIC - Gate Drivers
Driven Configuration  Channel Type  Independent  Number of Drivers  4  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Through Hole  Package / Case  14-DIP (0.300", 7.62mm)  Supplier Device Package	Package	14-DIP (0.300", 7.62mm)
Channel Type Number of Drivers 4 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2.4V Current - Peak Output (Source, Sink) 1.2A, 1.2A Input Type Non-Inverting High Side Voltage - Max (Bootstrap)	Series	-
Number of Drivers  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 18 V  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  1.2A, 1.2A  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  14ns, 13ns  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  Through Hole  Package / Case  14-DIP (0.300", 7.62mm)  Supplier Device Package	Driven Configuration	Low-Side
Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)14ns, 13nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeThrough HolePackage / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-DIP	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2.4V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  Through Hole  Package / Case  14-DIP (0.300", 7.62mm)  Supplier Device Package	Number of Drivers	4
Logic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.2A, 1.2AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)14ns, 13nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeThrough HolePackage / Case14-DIP (0.300", 7.62mm)Supplier Device Package14-DIP	Gate Type	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  O°C ~ 70°C (TA)  Mounting Type  Through Hole  Package / Case  14-DIP (0.300", 7.62mm)  Supplier Device Package	Voltage - Supply	4.5 V ~ 18 V
Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Through Hole  Package / Case  14-DIP (0.300", 7.62mm)  Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2.4V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  14ns, 13ns  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  Through Hole  Package / Case  14-DIP (0.300", 7.62mm)  Supplier Device Package	Current - Peak Output (Source, Sink)	1.2A, 1.2A
Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Through Hole  Package / Case  14-DIP (0.300", 7.62mm)  Supplier Device Package	Input Type	Non-Inverting
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)Mounting TypeThrough HolePackage / Case14-DIP $(0.300^{\circ}, 7.62\text{mm})$ Supplier Device Package14-DIP	High Side Voltage - Max (Bootstrap)	-
Mounting Type Through Hole Package / Case 14-DIP (0.300", 7.62mm) Supplier Device Package 14-DIP	Rise / Fall Time (Typ)	14ns, 13ns
Package / Case 14-DIP (0.300", 7.62mm) Supplier Device Package 14-DIP	Operating Temperature	0°C ~ 70°C (TA)
Supplier Device Package 14-DIP	Mounting Type	Through Hole
	Package / Case	14-DIP (0.300", 7.62mm)
Report errors?	Supplier Device Package	14-DIP
		Report errors?

### **MIC4468CN 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.

# **MIC4468CN Payment Methods**



















### **MIC4468CN Shipping Methods**













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