

TC427COA Information



For Reference Only

Part Number TC427COA

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DVR 1.5A DUAL HS 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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TC427COA Specifications

Manufacturer Part Number Manufacturer Microchip Technology Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 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) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 30ns, 30ns Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case 8-SOIC (0.154" 3.90mm Width)	•	
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Driven Configuration Channel Type Independent Number of Drivers 2 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) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Low-Side Independent N-Channel, P-Channel MOSFET N-Channel MOSFET N-Channel, P-Channel MOSFET N-Channel, P-Channel MOSFET N-Channel, P-Channel MOSFET N-Channel, P-Channel MOSFET Non-Inverting Surface Mount Surface Mount	Package	8-SOIC (0.154", 3.90mm Width)
Channel TypeIndependentNumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 30nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface Mount	Series	-
Number of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)30ns, 30nsOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface Mount	Driven Configuration	Low-Side
Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply $4.5 \text{ V} \sim 18 \text{ V}$ Logic Voltage - VIL, VIH $0.8\text{V}, 2.4\text{V}$ Current - Peak Output (Source, Sink) $1.5\text{A}, 1.5\text{A}$ Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ) $30\text{ns}, 30\text{ns}$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)Mounting TypeSurface Mount	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 O°C ~ 70°C (TA) Mounting Type 4.5 V ~ 18 V 0.8V, 2.4V 1.5A, 1.5A Non-Inverting Oord ~ 70°C (TA) Surface Mount	Number of Drivers	2
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 Surface Mount	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 Mounting Type 1.5A, 1.5A Non-Inverting - 30ns, 30ns Overating Temperature O°C ~ 70°C (TA) Surface Mount	Voltage - Supply	4.5 V ~ 18 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Non-Inverting - 30ns, 30ns Operating Temperature O°C ~ 70°C (TA) Surface Mount	Logic Voltage - VIL, VIH	0.8V, 2.4V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 70°C (TA) Mounting Type Surface Mount	Current - Peak Output (Source, Sink)	1.5A, 1.5A
Rise / Fall Time (Typ) $30ns, 30ns$ Operating Temperature $0^{\circ}C \sim 70^{\circ}C$ (TA)Mounting TypeSurface Mount	Input Type	Non-Inverting
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$ Mounting Type Surface Mount	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount	Rise / Fall Time (Typ)	30ns, 30ns
0.71	Operating Temperature	0°C ~ 70°C (TA)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
The many case (0.13 + , 5.70 mm Width)	Package / Case	8-SOIC (0.154", 3.90mm Width)
Supplier Device Package 8-SOIC	Supplier Device Package	8-SOIC
Report errors?		Report errors?

TC427COA 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.

TC427COA Payment Methods



















TC427COA Shipping Methods













If you have any question about TC427COA, please do not hesitate to contact us!

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