



TC4420VAT Information



For Reference Only

Part Number TC4420VAT

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC MOSFET DRIVER 6A HS TO220-5

Package TO-220-5

For the pricing/inventory/lead time, please contact

us

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



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TC4420VAT Specifications

Manufacturer Part Number TC4420VAT Manufacturer Microchip Technology Category Integrated Circuits (ICs) PMIC - Gate Drivers Package TO-220-5 Series - Driven Configuration Low-Side Channel Type Single Number of Drivers I 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) 6A, 6A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package TO-220-5 Report errors?		
CategoryIntegrated Circuits (ICs)PackageTO-220-5Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2.4VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-220-5Supplier Device PackageTO-220-5	Manufacturer Part Number	TC4420VAT
Package TO-220-5 Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 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) 6A, 6A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package	Manufacturer	Microchip Technology
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Driven Configuration Channel Type Single Number of Drivers 1 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 -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package	Package	TO-220-5
Channel Type Number of Drivers 1 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) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package	Series	-
Number of Drivers Gate Type N-Channel, P-Channel MOSFET 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 -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case Supplier Device Package TO-220-5	Driven Configuration	Low-Side
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) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case Supplier Device Package TO-220-5	Channel Type	Single
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 -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package	Number of Drivers	1
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 ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package	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 -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package	Voltage - Supply	4.5 V ~ 18 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2.4V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package	Current - Peak Output (Source, Sink)	6A, 6A
Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package TO-220-5	Input Type	Non-Inverting
Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package TO-220-5	High Side Voltage - Max (Bootstrap)	-
Mounting Type Through Hole Package / Case TO-220-5 Supplier Device Package TO-220-5	Rise / Fall Time (Typ)	25ns, 25ns
Package / Case TO-220-5 Supplier Device Package TO-220-5	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package TO-220-5	Mounting Type	Through Hole
	Package / Case	TO-220-5
Report errors?	Supplier Device Package	TO-220-5
		Report errors?

TC4420VAT 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.

TC4420VAT Payment Methods



















TC4420VAT Shipping Methods













If you have any question about TC4420VAT, please do not hesitate to contact us!

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