



UCC27538DBVT Information



For Reference Only

Part Number UCC27538DBVT

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC GATE DRVR IGBT/MOSFET SOT23-6

Package SOT-23-6

For the pricing/inventory/lead time, please contact

us

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



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UCC27538DBVT Specifications

Manufacturer UCC27538DBVT Manufacturer Texas Instruments Category Integrated Circuits (ICs) PACKAGE SOT-23-6 Series - Driven Configuration High-Side or Low-Side Channel Type Single Number of Drivers 1 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 32 V Logic Voltage - VIL, VIH 1.2V, 2.2V Current - Peak Output (Source, Sink) 2.5A, 5A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 15ns, 7ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package SOT-23-6		
Category Integrated Circuits (ICs) PMIC - Gate Drivers Package SOT-23-6 Series - Driven Configuration High-Side or Low-Side Channel Type Single Number of Drivers 1 Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 1.2V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount Package / Case SUT-23-6 Supplier Device Package	Manufacturer Part Number	UCC27538DBVT
Package SOT-23-6 Series - Driven Configuration High-Side or Low-Side Channel Type Single Number of Drivers 1 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 32 V Logic Voltage - VIL, VIH 1,2V, 2.2V Current - Peak Output (Source, Sink) 2.5A, 5A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 15ns, 7ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Manufacturer	Texas Instruments
PackageSOT-23-6Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 32 VLogic Voltage - VIL, VIH1.2V, 2.2VCurrent - Peak Output (Source, Sink)2.5A, 5AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 7nsOperating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Category	Integrated Circuits (ICs)
Series - Driven Configuration High-Side or Low-Side Channel Type Single Number of Drivers 1 IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 32 V Logic Voltage - VIL, VIH 1.2V, 2.2V Current - Peak Output (Source, Sink) 2.5A, 5A Input Type Non-Inverting High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 15ns, 7ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package SOT-23-6		PMIC - Gate Drivers
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Number of Drivers1Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 32 VLogic Voltage - VIL, VIH1.2V, 2.2VCurrent - Peak Output (Source, Sink)2.5A, 5AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)15ns, 7nsOperating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Driven Configuration	High-Side or Low-Side
Gate Type Voltage - Supply Logic Voltage - VIL, VIH 1.2V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case Supplier Device Package IGBT, N-Channel MOSFET IGBT, N-Channel MOSFET IOR 32 V 1.2V, 2.2V 2.5A, 5A Non-Inverting -40°C ~ 140°C (TJ) Surface Mount Surface Mount SOT-23-6	Channel Type	Single
Voltage - Supply Logic Voltage - VIL, VIH 1.2V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH 1.2V, 2.2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 15ns, 7ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package	Voltage - Supply	10 V ~ 32 V
Input Type High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package	Logic Voltage - VIL, VIH	1.2V, 2.2V
High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 15ns, 7ns Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package	Current - Peak Output (Source, Sink)	2.5A, 5A
Rise / Fall Time (Typ) Operating Temperature -40°C ~ 140°C (TJ) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package	Input Type	Non-Inverting
Operating Temperature-40°C ~ 140°C (TJ)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Rise / Fall Time (Typ)	15ns, 7ns
Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Operating Temperature	-40°C ~ 140°C (TJ)
Supplier Device Package SOT-23-6	Mounting Type	Surface Mount
	Package / Case	SOT-23-6
Report errors?	Supplier Device Package	SOT-23-6
		Report errors?

UCC27538DBVT 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.

UCC27538DBVT Payment Methods



















UCC27538DBVT Shipping Methods













If you have any question about UCC27538DBVT, please do not hesitate to contact us!

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