



SIC639CD-T1-GE3 Information



For Reference Only

Part Number SIC639CD-T1-GE3
Manufacturer Vishay Siliconix

Category Integrated Circuits (ICs)

PMIC - Full, Half-Bridge Drivers

Description INTEGRATED POWER STAGE POWERPAK

Package PowerPAK® MLP55-31L

For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









SIC639CD-T1-GE3 Specifications

Manufacturer Part Number SIC639CD-T1-GE3 Manufacturer Vishay Siliconix Category Integrated Circuits (ICs) PMIC - Full, Half-Bridge Drivers Package PowerPAK® MLP55-31L Series VRPower® Output Configuration Half Bridge (2) Applications Synchronous Buck Converters Interface PWM Load Type Inductive, Capacitive Technology Power MOSFET Rds On (Typ) - Current - Output / Channel 50A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C (TA) Features Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L Report errors?		
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Output ConfigurationHalf Bridge (2)ApplicationsSynchronous Buck ConvertersInterfacePWMLoad TypeInductive, CapacitiveTechnologyPower MOSFETRds On (Typ)-Current - Output / Channel50ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load4.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°C (TA)FeaturesBootstrap Circuit, Diode Emulation, Status FlagFault ProtectionShoot-Through, UVLOMounting TypeSurface MountPackage / CasePowerPAK® MLP55-31LSupplier Device PackagePowerPAK® MLP55-31L	Package	PowerPAK® MLP55-31L
Applications Interface PWM Load Type Inductive, Capacitive Technology Power MOSFET Rds On (Typ) - Current - Output / Channel Current - Peak Output Voltage - Supply Voltage - Load Operating Temperature Peatures Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Series	VRPower®
InterfacePWMLoad TypeInductive, CapacitiveTechnologyPower MOSFETRds On (Typ)-Current - Output / Channel50ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load4.5 V ~ 5.5 VOperating Temperature-40°C ~ 125°C (TA)FeaturesBootstrap Circuit, Diode Emulation, Status FlagFault ProtectionShoot-Through, UVLOMounting TypeSurface MountPackage / CasePowerPAK® MLP55-31LSupplier Device PackagePowerPAK® MLP55-31L	Output Configuration	Half Bridge (2)
Load Type Inductive, Capacitive Technology Power MOSFET Rds On (Typ) - Current - Output / Channel 50A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C (TA) Features Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Applications	Synchronous Buck Converters
Technology Rds On (Typ) - Current - Output / Channel 50A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C (TA) Features Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Interface	PWM
Rds On (Typ) - Current - Output / Channel 50A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C (TA) Features Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Load Type	Inductive, Capacitive
Current - Output / Channel 50A Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C (TA) Features Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Technology	Power MOSFET
Current - Peak Output Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C (TA) Features Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Rds On (Typ)	-
Voltage - Supply 4.5 V ~ 5.5 V Voltage - Load 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C (TA) Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package	Current - Output / Channel	50A
Voltage - Load 4.5 V ~ 5.5 V Operating Temperature -40°C ~ 125°C (TA) Features Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Current - Peak Output	-
Operating Temperature -40°C ~ 125°C (TA) Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Voltage - Supply	4.5 V ~ 5.5 V
Features Bootstrap Circuit, Diode Emulation, Status Flag Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Voltage - Load	4.5 V ~ 5.5 V
Fault Protection Shoot-Through, UVLO Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type Surface Mount Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Features	Bootstrap Circuit, Diode Emulation, Status Flag
Package / Case PowerPAK® MLP55-31L Supplier Device Package PowerPAK® MLP55-31L	Fault Protection	Shoot-Through, UVLO
Supplier Device Package PowerPAK® MLP55-31L	Mounting Type	Surface Mount
	Package / Case	PowerPAK® MLP55-31L
Report errors?	Supplier Device Package	PowerPAK® MLP55-31L
		Report errors?

SIC639CD-T1-GE3 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.

SIC639CD-T1-GE3 Payment Methods









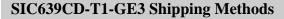
























If you have any question about SIC639CD-T1-GE3, please do not hesitate to contact us!

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