



## SIC769CD-T1-E3 Information



For Reference Only

**Part Number** SIC769CD-T1-E3 **Manufacturer** Vishay Siliconix

Category Integrated Circuits (ICs)

PMIC - Full, Half-Bridge Drivers

**Description** IC CTLR PFC STAGE PPAK MLP66-40

Package PowerPAK? MLP66-40

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**

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# SIC769CD-T1-E3 Specifications

Manufacturer Part Number       SIC769CD-T1-E3         Manufacturer       Vishay Siliconix         Category       Integrated Circuits (ICs)         PMIC - Full, Half-Bridge Drivers         Package       PowerPAK? MLP66-40         Series       -         Output Configuration       Half Bridge         Applications       Synchronous Buck Converters         Interface       PWM         Load Type       Inductive         Technology       DrMOS         Rds On (Typ)       1.7 mOhm LS, 6 mOhm HS         Current - Output / Channel       35A         Current - Peak Output       -         Voltage - Supply       4.5 V ~ 5.5 V         Voltage - Load       3 V ~ 16 V         Operating Temperature       -40°C ~ 150°C (TJ)         Features       Bootstrap Circuit, Diode Emulation, Status Flag         Fault Protection       Over Temperature, Shoot-Through, UVLO         Mounting Type       Surface Mount         Package / Case       PowerPAK? MLP66-40         Supplier Device Package       PowerPAK? MLP66-40		
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Package PowerPAK? MLP66-40  Series - Output Configuration Half Bridge  Applications Synchronous Buck Converters Interface PWM Load Type Inductive  Technology DrMOS  Rds On (Typ) 1.7 mOhm LS, 6 mOhm HS  Current - Output / Channel 35A  Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V  Voltage - Load 3 V ~ 16 V  Operating Temperature -40°C ~ 150°C (TJ)  Features Bootstrap Circuit, Diode Emulation, Status Flag  Fault Protection Over Temperature, Shoot-Through, UVLO  Mounting Type Surface Mount  Package / Case PowerPAK? MLP66-40	Manufacturer	Vishay Siliconix
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Applications Interface PWM  Load Type Inductive  Technology DrMOS  Rds On (Typ) 1.7 mOhm LS, 6 mOhm HS  Current - Output / Channel 35A  Current - Peak Output Voltage - Supply 4.5 V ~ 5.5 V  Voltage - Load 3 V ~ 16 V  Operating Temperature -40°C ~ 150°C (TJ)  Features Bootstrap Circuit, Diode Emulation, Status Flag  Fault Protection Mounting Type Surface Mount Package / Case PowerPAK? MLP66-40	Series	-
InterfacePWMLoad TypeInductiveTechnologyDrMOSRds On (Typ)1.7 mOhm LS, 6 mOhm HSCurrent - Output / Channel35ACurrent - Peak Output-Voltage - Supply4.5 V ~ 5.5 VVoltage - Load3 V ~ 16 VOperating Temperature-40°C ~ 150°C (TJ)FeaturesBootstrap Circuit, Diode Emulation, Status FlagFault ProtectionOver Temperature, Shoot-Through, UVLOMounting TypeSurface MountPackage / CasePowerPAK? MLP66-40	Output Configuration	Half Bridge
Load Type Inductive  Technology DrMOS  Rds On (Typ) 1.7 mOhm LS, 6 mOhm HS  Current - Output / Channel 35A  Current - Peak Output - Voltage - Supply 4.5 V ~ 5.5 V  Voltage - Load 3 V ~ 16 V  Operating Temperature -40°C ~ 150°C (TJ)  Features Bootstrap Circuit, Diode Emulation, Status Flag  Fault Protection Over Temperature, Shoot-Through, UVLO  Mounting Type Surface Mount  Package / Case PowerPAK? MLP66-40	Applications	Synchronous Buck Converters
Technology  Rds On (Typ)  1.7 mOhm LS, 6 mOhm HS  Current - Output / Channel  35A  Current - Peak Output  - Voltage - Supply  4.5 V ~ 5.5 V  Voltage - Load  3 V ~ 16 V  Operating Temperature  -40°C ~ 150°C (TJ)  Features  Bootstrap Circuit, Diode Emulation, Status Flag  Fault Protection  Over Temperature, Shoot-Through, UVLO  Mounting Type  Surface Mount  Package / Case  PowerPAK? MLP66-40	Interface	PWM
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Mounting Type Surface Mount Package / Case PowerPAK? MLP66-40	Features	Bootstrap Circuit, Diode Emulation, Status Flag
Package / Case PowerPAK? MLP66-40	Fault Protection	Over Temperature, Shoot-Through, UVLO
	Mounting Type	Surface Mount
Supplier Device Package PowerPAK? MLP66-40	Package / Case	PowerPAK? MLP66-40
	Supplier Device Package	PowerPAK? MLP66-40
Report errors?		Report errors?

#### SIC769CD-T1-E3 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.

### SIC769CD-T1-E3 Payment Methods



















### SIC769CD-T1-E3 Shipping Methods













If you have any question about SIC769CD-T1-E3, please do not hesitate to contact us!

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