



### **LB1945H-TLM-E Information**



For Reference Only

Part NumberLB1945H-TLM-EManufacturerON SemiconductorCategoryIntegrated Circuits (ICs)

PMIC - Motor Drivers, Controllers

**Description** IC MOTOR DRIVER PAR 28HSOP

Package 28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat

Tabs

For the pricing/inventory/lead time, please contact  $% \left( \frac{1}{2}\right) =\left( \frac{1}{2}\right) \left( \frac{1}{2}\right)$ 

us

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



Request a Quote

# **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.









# **LB1945H-TLM-E Specifications**

Manufacturer Part NumberLB1945H-TLM-EManufacturerON SemiconductorCategoryIntegrated Circuits (ICs)Package28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat TabsSeries-Motor Type - StepperBipolarMotor Type - AC, DC-FunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (4)InterfaceParallelTechnologyBipolarStep Resolution-ApplicationsGeneral PurposeCurrent - Output800mAVoltage - Supply4.75 V ~ 5.25 VVoltage - Load10 V ~ 28 VOperating Temperature-20°C ~ 90°C (TA)Mounting TypeSurface MountPackage / Case28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat TabsSupplier Device Package28-HSOPHC (15.2x7.9)		
Category  Integrated Circuits (ICs)  PMIC - Motor Drivers, Controllers  Package  28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs  Series  - Motor Type - Stepper  Bipolar  Motor Type - AC, DC  - Function  Driver - Fully Integrated, Control and Power Stage  Output Configuration  Half Bridge (4)  Interface  Parallel  Technology  Bipolar  Step Resolution  - Applications  General Purpose  Current - Output  800mA  Voltage - Supply  4.75 V ~ 5.25 V  Voltage - Load  10 V ~ 28 V  Operating Temperature  -20°C ~ 90°C (TA)  Mounting Type  Surface Mount  Package / Case  28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Manufacturer Part Number	LB1945H-TLM-E
PMIC - Motor Drivers, ControllersPackage $28\text{-SOP}$ (0.311", 7.90mm) Exposed Pad + 2 Heat TabsSeries-Motor Type - StepperBipolarMotor Type - AC, DC-FunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (4)InterfaceParallelTechnologyBipolarStep Resolution-ApplicationsGeneral PurposeCurrent - Output $800\text{mA}$ Voltage - Supply $4.75 \text{ V} \sim 5.25 \text{ V}$ Voltage - Load $10 \text{ V} \sim 28 \text{ V}$ Operating Temperature $-20^{\circ}\text{C} \sim 90^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / Case $28\text{-SOP}$ (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Manufacturer	ON Semiconductor
Package 28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs  Series - Motor Type - Stepper Bipolar  Motor Type - AC, DC - Function Driver - Fully Integrated, Control and Power Stage  Output Configuration Half Bridge (4)  Interface Parallel  Technology Bipolar  Step Resolution - Applications General Purpose  Current - Output 800mA  Voltage - Supply 4.75 V ~ 5.25 V  Voltage - Load 10 V ~ 28 V  Operating Temperature -20°C ~ 90°C (TA)  Mounting Type Surface Mount  Package / Case 28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Category	Integrated Circuits (ICs)
Series - Bipolar  Motor Type - Stepper Bipolar  Motor Type - AC, DC -  Function Driver - Fully Integrated, Control and Power Stage  Output Configuration Half Bridge (4)  Interface Parallel  Technology Bipolar  Step Resolution -  Applications General Purpose  Current - Output 800mA  Voltage - Supply 4.75 V ~ 5.25 V  Voltage - Load 10 V ~ 28 V  Operating Temperature -20°C ~ 90°C (TA)  Mounting Type Surface Mount  Package / Case 28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs		PMIC - Motor Drivers, Controllers
Motor Type - StepperBipolarMotor Type - AC, DC-FunctionDriver - Fully Integrated, Control and Power StageOutput ConfigurationHalf Bridge (4)InterfaceParallelTechnologyBipolarStep Resolution-ApplicationsGeneral PurposeCurrent - Output800mAVoltage - Supply4.75 V ~ 5.25 VVoltage - Load10 V ~ 28 VOperating Temperature-20°C ~ 90°C (TA)Mounting TypeSurface MountPackage / Case28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Package	28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs
Motor Type - AC, DC  Function  Driver - Fully Integrated, Control and Power Stage  Output Configuration  Half Bridge (4)  Interface  Parallel  Technology  Bipolar  Step Resolution  - Applications  General Purpose  Current - Output  800mA  Voltage - Supply  4.75 V ~ 5.25 V  Voltage - Load  10 V ~ 28 V  Operating Temperature  -20°C ~ 90°C (TA)  Mounting Type  Surface Mount  Package / Case  28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Series	-
Function Driver - Fully Integrated, Control and Power Stage Output Configuration Half Bridge (4) Interface Parallel Technology Bipolar Step Resolution - Applications General Purpose Current - Output 800mA Voltage - Supply 4.75 V ~ 5.25 V Voltage - Load 10 V ~ 28 V Operating Temperature -20°C ~ 90°C (TA) Mounting Type Surface Mount Package / Case 28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Motor Type - Stepper	Bipolar
Output Configuration Interface Parallel Technology Bipolar Step Resolution - Applications General Purpose Current - Output 800mA Voltage - Supply 4.75 V ~ 5.25 V Voltage - Load Operating Temperature Package / Case Parallel Bipolar  Sipolar  Sipolar	Motor Type - AC, DC	-
Interface Parallel Technology Bipolar Step Resolution - Applications General Purpose Current - Output 800mA Voltage - Supply 4.75 V ~ 5.25 V Voltage - Load 10 V ~ 28 V Operating Temperature -20°C ~ 90°C (TA) Mounting Type Surface Mount Package / Case 28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Function	Driver - Fully Integrated, Control and Power Stage
Technology  Step Resolution  Applications  General Purpose  Current - Output  800mA  Voltage - Supply  4.75 V ~ 5.25 V  Voltage - Load  10 V ~ 28 V  Operating Temperature  -20°C ~ 90°C (TA)  Mounting Type  Surface Mount  Package / Case  Bipolar  Bipolar  Bipolar  Canada  Package / Case  Bipolar  Surface Mount  800mA  4.75 V ~ 5.25 V  Voltage - Load  10 V ~ 28 V  Operating Temperature  -20°C ~ 90°C (TA)  Surface Mount  Package / Case  28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Output Configuration	Half Bridge (4)
Step Resolution  Applications  General Purpose  Current - Output  800mA  Voltage - Supply  4.75 V ~ 5.25 V  Voltage - Load  10 V ~ 28 V  Operating Temperature  -20°C ~ 90°C (TA)  Mounting Type  Surface Mount  Package / Case  28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Interface	Parallel
Applications General Purpose   Current - Output   800mA   Voltage - Supply $4.75 \text{ V} \sim 5.25 \text{ V}$ Voltage - Load $10 \text{ V} \sim 28 \text{ V}$ Operating Temperature $-20^{\circ}\text{C} \sim 90^{\circ}\text{C} \text{ (TA)}$ Mounting Type   Surface Mount   Package / Case $28\text{-SOP } (0.311^{\circ}, 7.90 \text{mm}) \text{ Exposed Pad} + 2 \text{ Heat Tabs}$	Technology	Bipolar
Current - Output 800mA  Voltage - Supply $4.75 \text{ V} \sim 5.25 \text{ V}$ Voltage - Load $10 \text{ V} \sim 28 \text{ V}$ Operating Temperature $-20^{\circ}\text{C} \sim 90^{\circ}\text{C}$ (TA)  Mounting Type Surface Mount  Package / Case $28\text{-SOP}$ (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Step Resolution	-
Voltage - Supply $4.75 \text{ V} \sim 5.25 \text{ V}$ Voltage - Load $10 \text{ V} \sim 28 \text{ V}$ Operating Temperature $-20^{\circ}\text{C} \sim 90^{\circ}\text{C}$ (TA)  Mounting Type Surface Mount  Package / Case $28\text{-SOP}$ (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Applications	General Purpose
Voltage - Load $10 \text{ V} \sim 28 \text{ V}$ Operating Temperature $-20^{\circ}\text{C} \sim 90^{\circ}\text{C (TA)}$ Mounting Type $\text{Surface Mount}$ Package / Case $28\text{-SOP } (0.311^{\circ}, 7.90 \text{mm}) \text{ Exposed Pad} + 2 \text{ Heat Tabs}$	Current - Output	800mA
Operating Temperature  -20°C ~ 90°C (TA)  Mounting Type  Surface Mount  Package / Case  28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Voltage - Supply	4.75 V ~ 5.25 V
Mounting Type Surface Mount Package / Case 28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Voltage - Load	10 V ~ 28 V
Package / Case 28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs	Operating Temperature	-20°C ~ 90°C (TA)
	Mounting Type	Surface Mount
Supplier Device Package 28-HSOPHC (15.2x7.9)	Package / Case	28-SOP (0.311", 7.90mm) Exposed Pad + 2 Heat Tabs
	Supplier Device Package	28-HSOPHC (15.2x7.9)
Report errors		Report errors?

### **LB1945H-TLM-E 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.

# LB1945H-TLM-E Payment Methods



















# LB1945H-TLM-E Shipping Methods













If you have any question about LB1945H-TLM-E, please do not hesitate to contact us!

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