



### **HT0440LG-G Information**



For Reference Only

Part Number HT0440LG-G

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC MOSFET DRIVER HI VOLT 400V 8S

Package 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

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.









## **HT0440LG-G Specifications**

Manufacturer Part Number  Manufacturer  Microchip Technology  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  - Driven Configuration  High-Side  Channel Type Synchronous  Number of Drivers  2 Gate Type N-Channel MOSFET  Voltage - Supply 3.15 V ~ 5.5 V  Logic Voltage - VIL, VIH 0.5V, 3.15V  Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ)  Operating Temperature  Au°C ~ 125°C (TJ)  Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package		
CategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply3.15 V ~ 5.5 VLogic Voltage - VIL, VIH0.5V, 3.15VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)400VRise / Fall Time (Typ)650µs, 3ms (Max)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Manufacturer Part Number	HT0440LG-G
Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration High-Side Channel Type Synchronous Number of Drivers 2 Gate Type N-Channel MOSFET Voltage - Supply 3.15 V ~ 5.5 V Logic Voltage - VIL, VIH 0.5V, 3.15V Current - Peak Output (Source, Sink) - Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 400V Rise / Fall Time (Typ) 550µs, 3ms (Max) Operating Temperature -40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer	Microchip Technology
Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply3.15 V ~ 5.5 VLogic Voltage - VIL, VIH0.5V, 3.15VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)400VRise / Fall Time (Typ)650µs, 3ms (Max)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHigh-SideChannel TypeSynchronousNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply3.15 V ~ 5.5 VLogic Voltage - VIL, VIH0.5V, 3.15VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)400VRise / Fall Time (Typ)650µs, 3ms (Max)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		PMIC - Gate Drivers
Driven Configuration  Channel Type  Synchronous  Number of Drivers  2  Gate Type  N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  O.5V, 3.15V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
Channel Type Synchronous  Number of Drivers 2  Gate Type N-Channel MOSFET  Voltage - Supply 3.15 V ~ 5.5 V  Logic Voltage - VIL, VIH 0.5V, 3.15V  Current - Peak Output (Source, Sink) -  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) 400V  Rise / Fall Time (Typ) 650µs, 3ms (Max)  Operating Temperature -40°C ~ 125°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Series	-
Number of Drivers  Gate Type  N-Channel MOSFET  Voltage - Supply  3.15 V ~ 5.5 V  Logic Voltage - VIL, VIH  0.5V, 3.15V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  650µs, 3ms (Max)  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Driven Configuration	High-Side
Gate TypeN-Channel MOSFETVoltage - Supply3.15 V ~ 5.5 VLogic Voltage - VIL, VIH0.5V, 3.15VCurrent - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)400VRise / Fall Time (Typ)650μs, 3ms (Max)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Channel Type	Synchronous
Voltage - Supply  Logic Voltage - VIL, VIH  0.5V, 3.15V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Number of Drivers	2
Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  650µs, 3ms (Max)  Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Gate Type	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 ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Voltage - Supply	3.15 V ~ 5.5 V
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)400VRise / Fall Time (Typ)650μs, 3ms (Max)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Logic Voltage - VIL, VIH	0.5V, 3.15V
High Side Voltage - Max (Bootstrap)400VRise / Fall Time (Typ)650μs, 3ms (Max)Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Current - Peak Output (Source, Sink)	-
Rise / Fall Time (Typ) $650\mu s$ , $3ms$ (Max) Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TJ)  Mounting Type Surface Mount Package / Case $8\text{-SOIC}$ (0.154", 3.90mm Width) Supplier Device Package $8\text{-SOIC}$	Input Type	Non-Inverting
Operating Temperature  -40°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	High Side Voltage - Max (Bootstrap)	400V
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Rise / Fall Time (Typ)	650μs, 3ms (Max)
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

#### HT0440LG-G 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.

# HT0440LG-G Payment Methods



















### **HT0440LG-G Shipping Methods**













If you have any question about HT0440LG-G, please do not hesitate to contact us!

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