

#### **L6387D Information**



For Reference Only

Part Number L6387D

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC DRIVER HI/LO SIDE HV 8-SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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# **L6387D Specifications**

Manufacturer         L6387D           Manufacturer         STMicroelectronics           Category         Integrated Circuits (ICs)           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Driven Configuration         Half-Bridge           Channel Type         Independent           Number of Drivers         2           Gate Type         IGBT, N-Channel MOSFET           Voltage - Supply         17V (Max)           Logic Voltage - VIL, VIH         1.5V, 3.6V           Current - Peak Output (Source, Sink)         400mA, 650mA           Input Type         Inverting           High Side Voltage - Max (Bootstrap)         600V           Rise / Fall Time (Typ)         50ns, 30ns           Operating Temperature         -45°C ~ 125°C (TJ)           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOI		
CategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply17V (Max)Logic Voltage - VIL, VIH1.5V, 3.6VCurrent - Peak Output (Source, Sink)400mA, 650mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)50ns, 30nsOperating Temperature-45°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO	Manufacturer Part Number	L6387D
Package 8-SOIC (0.154", 3.90mm Width)  Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET  Voltage - Supply 17V (Max) Logic Voltage - VIL, VIH 1.5V, 3.6V  Current - Peak Output (Source, Sink) 400mA, 650mA Input Type Inverting High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 50ns, 30ns  Operating Temperature -45°C ~ 125°C (TJ)  Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer	STMicroelectronics
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Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply I7V (Max) Logic Voltage - VIL, VIH 1.5V, 3.6V Current - Peak Output (Source, Sink) Input Type Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature -45°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 Independent  Number of Drivers 2  Gate Type IGBT, N-Channel MOSFET  Voltage - Supply 177 (Max)  Logic Voltage - VIL, VIH 1.5V, 3.6V  Current - Peak Output (Source, Sink) 400mA, 650mA  Input Type Inverting  High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 50ns, 30ns  Operating Temperature -45°C ~ 125°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO	Series	-
Number of Drivers  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  17V (Max)  Logic Voltage - VIL, VIH  1.5V, 3.6V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  17V (Max)  Logic Voltage - VIL, VIH  1.5V, 3.6V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Operating Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  1.5V, 3.6V  Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -45°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, VIH1.5V, 3.6VCurrent - Peak Output (Source, Sink)400mA, 650mAInput TypeInvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)50ns, 30nsOperating Temperature-45°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO	Gate Type	IGBT, N-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Voltage - Supply	17V (Max)
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High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Current - Peak Output (Source, Sink)	400mA, 650mA
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Operating Temperature  -45°C ~ 125°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO	High Side Voltage - Max (Bootstrap)	600V
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Rise / Fall Time (Typ)	50ns, 30ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Operating Temperature	-45°C ~ 125°C (TJ)
Supplier Device Package 8-SO	Mounting Type	Surface Mount
11	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SO
		Report errors?

#### **L6387D Guarantees**



#### **Quality Guarantees**

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#### **Service Guarantees**

We guarantee 100% customer satisfaction.

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