



#### S-8338AAHB-P8T1G Information

Part Number S-8338AAHB-P8T1G

Manufacturer SII Semiconductor Corporation

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

**Description** IC REG CTRLR BOOST 8SON

Package 8-SMD, Flat Lead

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **Certified Quality**

For Reference Only

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.









## S-8338AAHB-P8T1G Specifications

Manufacturer Part Number         S-8338AAHB-P8T1G           Manufacturer         SII Semiconductor Corporation           Category         Integrated Circuits (ICs)           Package         8-SMD, Flat Lead           Series         -           Output Type         Transistor Driver           Function         Step-Up           Output Configuration         Positive           Topology         Boost           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vec/Vdd)         1.8 V ~ 6 V           Frequency - Switching         257.4kHz ~ 1.134MHz           Duty Cycle (Max)         88.5%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Current Limit, Enable, Frequency Control           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SMD, Flat Lead           Supplier Device Package         8-SON (A) (2.9x2.8)		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - DC DC Switching Controllers           Package         8-SMD, Flat Lead           Series         -           Output Type         Transistor Driver           Function         Step-Up           Output Configuration         Positive           Topology         Boost           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 6 V           Frequency - Switching         257.4kHz ~ 1.134MHz           Duty Cycle (Max)         88.5%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Current Limit, Enable, Frequency Control           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SMD, Flat Lead           Supplier Device Package         8-SON (A) (2.9x2.8)	Manufacturer Part Number	S-8338AAHB-P8T1G
Package 8-SMD, Flat Lead  Series - Output Type Transistor Driver  Function Step-Up Output Configuration Positive  Topology Boost Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 6 V  Frequency - Switching 257.4kHz ~ 1.134MHz  Duty Cycle (Max) 88.5%  Synchronous Rectifier No Clock Sync No Serial Interfaces - Control Features Current Limit, Enable, Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 8-SMD, Flat Lead Supplier Device Package 8-SON (A) (2.9x2.8)	Manufacturer	SII Semiconductor Corporation
Package         8-SMD, Flat Lead           Series         -           Output Type         Transistor Driver           Function         Step-Up           Output Configuration         Positive           Topology         Boost           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 6 V           Frequency - Switching         257.4kHz ~ 1.134MHz           Duty Cycle (Max)         88.5%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Current Limit, Enable, Frequency Control           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SMD, Flat Lead           Supplier Device Package         8-SON (A) (2.9x2.8)	Category	Integrated Circuits (ICs)
Series         -           Output Type         Transistor Driver           Function         Step-Up           Output Configuration         Positive           Topology         Boost           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 6 V           Frequency - Switching         257.4kHz ~ 1.134MHz           Duty Cycle (Max)         88.5%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Current Limit, Enable, Frequency Control           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SMD, Flat Lead           Supplier Device Package         8-SON (A) (2.9x2.8)		PMIC - Voltage Regulators - DC DC Switching Controllers
Output Type         Transistor Driver           Function         Step-Up           Output Configuration         Positive           Topology         Boost           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         1.8 V ~ 6 V           Frequency - Switching         257.4kHz ~ 1.134MHz           Duty Cycle (Max)         88.5%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Current Limit, Enable, Frequency Control           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         8-SMD, Flat Lead           Supplier Device Package         8-SON (A) (2.9x2.8)	Package	8-SMD, Flat Lead
FunctionStep-UpOutput ConfigurationPositiveTopologyBoostNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 6 \text{ V}$ Frequency - Switching $257.4 \text{kHz} \sim 1.134 \text{MHz}$ Duty Cycle (Max) $88.5\%$ Synchronous RectifierNoClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency ControlOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} (TA)$ Package / Case8-SMD, Flat LeadSupplier Device Package8-SON (A) (2.9x2.8)	Series	-
Output Configuration Positive  Topology Boost  Number of Outputs 1  Output Phases 1  Voltage - Supply (Vcc/Vdd) 1.8 V ~ 6 V  Frequency - Switching 257.4kHz ~ 1.134MHz  Duty Cycle (Max) 88.5%  Synchronous Rectifier No  Clock Sync No  Serial Interfaces -  Control Features Current Limit, Enable, Frequency Control  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SMD, Flat Lead  Supplier Device Package 8-SON (A) (2.9x2.8)	Output Type	Transistor Driver
Topology Boost  Number of Outputs 1  Output Phases 1  Voltage - Supply (Vcc/Vdd) 1.8 V ~ 6 V  Frequency - Switching 257.4kHz ~ 1.134MHz  Duty Cycle (Max) 88.5%  Synchronous Rectifier No  Clock Sync No  Serial Interfaces -  Control Features Current Limit, Enable, Frequency Control  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SMD, Flat Lead  Supplier Device Package 8-SON (A) (2.9x2.8)	Function	Step-Up
Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 6 V Frequency - Switching 257.4kHz ~ 1.134MHz Duty Cycle (Max) 88.5% Synchronous Rectifier No Clock Sync No Serial Interfaces - Control Features Current Limit, Enable, Frequency Control Operating Temperature -40°C ~ 85°C (TA) Package / Case 8-SMD, Flat Lead Supplier Device Package 8-SON (A) (2.9x2.8)	Output Configuration	Positive
Output Phases  1 Voltage - Supply (Vcc/Vdd)  1.8 V ~ 6 V  Frequency - Switching  257.4kHz ~ 1.134MHz  Duty Cycle (Max)  88.5%  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Current Limit, Enable, Frequency Control  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SMD, Flat Lead  Supplier Device Package  8-SON (A) (2.9x2.8)	Topology	Boost
Voltage - Supply (Vcc/Vdd)1.8 V ~ 6 VFrequency - Switching257.4kHz ~ 1.134MHzDuty Cycle (Max)88.5%Synchronous RectifierNoClock SyncNoSerial Interfaces-Control FeaturesCurrent Limit, Enable, Frequency ControlOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SMD, Flat LeadSupplier Device Package8-SON (A) (2.9x2.8)	Number of Outputs	1
Frequency - Switching  Duty Cycle (Max)  88.5%  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Current Limit, Enable, Frequency Control  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SMD, Flat Lead  Supplier Device Package  8-SON (A) (2.9x2.8)	Output Phases	1
Duty Cycle (Max)  88.5%  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Current Limit, Enable, Frequency Control  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SMD, Flat Lead  Supplier Device Package  8-SON (A) (2.9x2.8)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 6 V
Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Current Limit, Enable, Frequency Control  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SMD, Flat Lead  Supplier Device Package  8-SON (A) (2.9x2.8)	Frequency - Switching	257.4kHz ~ 1.134MHz
Clock Sync  Serial Interfaces  - Control Features  Current Limit, Enable, Frequency Control  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SMD, Flat Lead  Supplier Device Package  8-SON (A) (2.9x2.8)	Duty Cycle (Max)	88.5%
Serial Interfaces  Control Features  Current Limit, Enable, Frequency Control  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  8-SMD, Flat Lead  Supplier Device Package  8-SON (A) (2.9x2.8)	Synchronous Rectifier	No
Control Features Current Limit, Enable, Frequency Control  Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SMD, Flat Lead  Supplier Device Package 8-SON (A) (2.9x2.8)	Clock Sync	No
Operating Temperature -40°C ~ 85°C (TA)  Package / Case 8-SMD, Flat Lead  Supplier Device Package 8-SON (A) (2.9x2.8)	Serial Interfaces	-
Package / Case 8-SMD, Flat Lead Supplier Device Package 8-SON (A) (2.9x2.8)	Control Features	Current Limit, Enable, Frequency Control
Supplier Device Package 8-SON (A) (2.9x2.8)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
	Package / Case	8-SMD, Flat Lead
Report errors?	Supplier Device Package	8-SON (A) (2.9x2.8)
		Report errors?

#### S-8338AAHB-P8T1G 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.

### S-8338AAHB-P8T1G Payment Methods





















# S-8338AAHB-P8T1G Shipping Methods













If you have any question about S-8338AAHB-P8T1G, please do not hesitate to contact us!

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