

## **S-8520B15MC-ARAT2G**

#### S-8520B15MC-ARAT2G Information



For Reference Only

Part NumberS-8520B15MC-ARAT2GManufacturerSII Semiconductor Corporation

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

**Description** IC REG CTRLR BUCK SOT23-5

Package SC-74A, SOT-753

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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## S-8520B15MC-ARAT2G Specifications

Manufacturer Part Number         S-8520B15MC-ARAT2G           Manufacturer         SII Semiconductor Corporation           Category         Integrated Circuits (ICs)           Package         SC-74A, SOT-753           Series         -           Output Type         Transistor Driver           Function         Step-Down           Output Configuration         Positive           Topology         Buck           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         2.5 V ~ 16 V           Frequency - Switching         180kHz           Duty Cycle (Max)         100%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Enable           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5		
Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - DC DC Switching Controllers           Package         SC-74A, SOT-753           Series         -           Output Type         Transistor Driver           Function         Step-Down           Output Configuration         Positive           Topology         Buck           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         2.5 V ~ 16 V           Frequency - Switching         180kHz           Duty Cycle (Max)         100%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Enable           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5	Manufacturer Part Number	S-8520B15MC-ARAT2G
PackagePMIC - Voltage Regulators - DC DC Switching ControllersPackageSC-74A, SOT-753Series-Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.5 V ~ 16 VFrequency - Switching180kHzDuty Cycle (Max)100%Synchronous RectifierNoClock SyncNoSerial Interfaces-Control FeaturesEnableOperating Temperature-40°C ~ 85°C (TA)Package / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Manufacturer	SII Semiconductor Corporation
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Series         -           Output Type         Transistor Driver           Function         Step-Down           Output Configuration         Positive           Topology         Buck           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         2.5 V ~ 16 V           Frequency - Switching         180kHz           Duty Cycle (Max)         100%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Enable           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypeTransistor DriverFunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.5 V ~ 16 VFrequency - Switching180kHzDuty Cycle (Max)100%Synchronous RectifierNoClock SyneNoSerial Interfaces-Control FeaturesEnableOperating Temperature-40°C ~ 85°C (TA)Package / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Package	SC-74A, SOT-753
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.5 V ~ 16 VFrequency - Switching180kHzDuty Cycle (Max)100%Synchronous RectifierNoClock SyncNoSerial Interfaces-Control FeaturesEnableOperating Temperature-40°C ~ 85°C (TA)Package / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Series	-
Output ConfigurationPositiveTopologyBuckNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.5 V ~ 16 VFrequency - Switching180kHzDuty Cycle (Max)100%Synchronous RectifierNoClock SyncNoSerial Interfaces-Control FeaturesEnableOperating Temperature-40°C ~ 85°C (TA)Package / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Output Type	Transistor Driver
Topology  Number of Outputs  1 Output Phases  1 Voltage - Supply (Vcc/Vdd)  Frequency - Switching  180kHz  Duty Cycle (Max)  100%  Synchronous Rectifier  No Clock Sync  Serial Interfaces  - Control Features  Departing Temperature  -40°C ~ 85°C (TA)  Package / Case  SUPPlier Device Package  SUF-23-5	Function	Step-Down
Number of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)2.5 V ~ 16 VFrequency - Switching180kHzDuty Cycle (Max)100%Synchronous RectifierNoClock SyncNoSerial Interfaces-Control FeaturesEnableOperating Temperature-40°C ~ 85°C (TA)Package / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Output Configuration	Positive
Output Phases  1 Voltage - Supply (Vcc/Vdd)  2.5 V ~ 16 V  Frequency - Switching  180kHz  Duty Cycle (Max)  100%  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  - Control Features  Enable  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SC-74A, SOT-753  Supplier Device Package  SOT-23-5	Topology	Buck
Voltage - Supply (Vcc/Vdd)2.5 V ~ 16 VFrequency - Switching180kHzDuty Cycle (Max)100%Synchronous RectifierNoClock SyncNoSerial Interfaces-Control FeaturesEnableOperating Temperature-40°C ~ 85°C (TA)Package / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Number of Outputs	1
Frequency - Switching  Duty Cycle (Max)  100%  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Enable  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SC-74A, SOT-753  Supplier Device Package  SOT-23-5	Output Phases	1
Duty Cycle (Max)  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Enable  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SC-74A, SOT-753  Supplier Device Package  SOT-23-5	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 16 V
Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Enable  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SC-74A, SOT-753  Supplier Device Package  SOT-23-5	Frequency - Switching	180kHz
Clock Sync No  Serial Interfaces -  Control Features Enable  Operating Temperature -40°C ~ 85°C (TA)  Package / Case SC-74A, SOT-753  Supplier Device Package SOT-23-5	Duty Cycle (Max)	100%
Serial Interfaces - Control Features Enable Operating Temperature -40°C ~ 85°C (TA) Package / Case SC-74A, SOT-753 Supplier Device Package SOT-23-5	Synchronous Rectifier	No
Control Features  Enable  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SC-74A, SOT-753  Supplier Device Package  SOT-23-5	Clock Sync	No
Operating Temperature-40°C ~ 85°C (TA)Package / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Serial Interfaces	-
Package / Case SC-74A, SOT-753 Supplier Device Package SOT-23-5	Control Features	Enable
Supplier Device Package SOT-23-5	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
	Package / Case	SC-74A, SOT-753
Report errors?	Supplier Device Package	SOT-23-5
		Report errors?

### S-8520B15MC-ARAT2G Guarantees



#### **Ouality 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-8520B15MC-ARAT2G Payment Methods



















### S-8520B15MC-ARAT2G Shipping Methods













If you have any question about S-8520B15MC-ARAT2G, please do not hesitate to contact us!

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