

# SC189EULTRT

## **SC189EULTRT Information**



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#### **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.



### **SC189EULTRT Specifications**

Manufacturer Part Number SC189EULTRT   Manufacturer Semech Corporation   Category Integrated Circuits (ICs)   PMIC - Voltage Regulators - DC DC Switching Regulators PMIC - Voltage Regulators - DC DC Switching Regulators   Package 6-UFDFN Exposed Pad   Series -   Function Step-Down   Output Configuration Positive   Topology Buck   Output Type Fixed   Number of Outputs 1   Voltage Input (Man) 2.9V   Voltage Output (Min/Fixed) 1.28V   Voltage Output (Min/Fixed) 1.28V   Voltage Output (Max) -   Greenent Control 1.5A   Frequency - Switching 2.5MHz   Synchronous Rectifier Yes   Operating Temperature 4.0°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case 6.HEPD-UT (2x2)		
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage6-UFDFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeBuckNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Output (Min/Fixed)1.5VVoltage - Output (Min/Fixed)1.5XVoltage - Output (Min/Fixed)1.5AVoltage - Output (Max)2.9VH2Voltage - Output (Max)-Synchronous Rectifier1.5ASynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type6.UFDFN Exposed PadSupplier Device Package6.MLPD-UT (2x2)	Manufacturer Part Number	SC189EULTRT
HMIC - Voltage Regulators - DC DC Switching RegulatorsPackage6-UFDFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage Input (Min)5.5VVoltage Output (Min/Fixed)1.28VVoltage Output (Max)-Current - Output1.5AFrequency - Switching2.5MHZSynchronous RectifierYesOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Manufacturer	Semtech Corporation
Package6-UFDFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Frequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type6.UFDFN Exposed PadSupplier Device Package6.MLPD-UT (2x2)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Input (Min/Fixed)5.5VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Voltage - Output (Max)5.5VFrequency - Switching1.5ASynchronous RectifierSofMtzOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type6.UFDFN Exposed PadaSupplier Device Package6.MLPD-UT (2x2)	Package	6-UFDFN Exposed Pad
Output ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous Rectifier40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Series	-
TopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Current - Output1.5ASynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Function	Step-Down
Output TypeFixedOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous Rectifier-40°C ~125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Output Configuration	Positive
Number of Outputs1Number of Outputs1Voltage - Input (Min)2.9VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Topology	Buck
Voltage - Input (Min)2.9VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Output Type	Fixed
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Number of Outputs	1
Voltage - Output (Min/Fixed)1.28VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Voltage - Input (Min)	2.9V
Voltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Voltage - Input (Max)	5.5V
Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Voltage - Output (Min/Fixed)	1.28V
Frequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Voltage - Output (Max)	-
Synchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Current - Output	1.5A
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Frequency - Switching	2.5MHz
Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Synchronous Rectifier	Yes
Package / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package6-MLPD-UT (2x2)	Mounting Type	Surface Mount
	Package / Case	6-UFDFN Exposed Pad
Report erro	Supplier Device Package	6-MLPD-UT (2x2)
		Report errors?

#### **SC189EULTRT 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.

#### **SC189EULTRT Payment Methods**



## **SC189EULTRT Shipping Methods**



If you have any question about SC189EULTRT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com