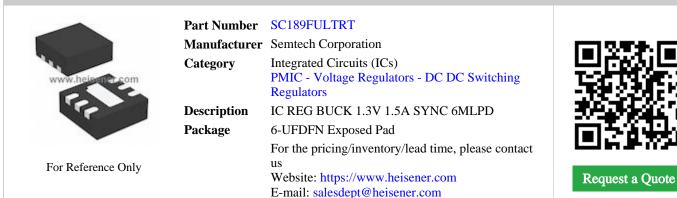


SC189FULTRT

SC189FULTRT Information



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.



SC189FULTRT Specifications

Manufacturer Part Number SC189FULTRT Manufacturer Semtech Corporation Category Integrated Circuits (ICs) PMIC - Voltage Regulators - DCDC Switching Regulators PMIC - Voltage Regulators - DCDC 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 (Min) 2.9V Voltage - Output (Min/Fixed) 1.3V Voltage - Output (Min/Fixed) 1.5A Current - Output 1.5A Frequency - Switching 2.3MHz Synchronous Rectifier Yes Operating Type Sufface Mount Mounting Type Sufface Mount Package / Case 6-UFDFN Exposed Pad	-	
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage6-UFDFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationBuckOutput TypeBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Min/Fixed)1.5ACurrent - Output1.5AFrequency - Switching2.9MIRSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type6.UFDFN Exposed PadSupplier Device Package6.MLPD-UT (2x2)	Manufacturer Part Number	SC189FULTRT
PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage6-UFDFN Exposed PadSeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixed Gataget AgeNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Min/Fixed)1.5ACurrent - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 125°C (TJ)Mounting Type6.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 - Input (Max)5.5VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Max)-Current - Output1.5ASynchronous Rectifier40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)StoVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Max)-Current - Output1.5ASynchronous RectifierSoOperating TemperatureYenOutput Type-Synchronous RectifierConcent CatolMunting TypeSuface MountPackage / Case6.1CPDFNExposed PadeSupplier Device Package6.MLPD-UT (2x2)		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedOutput TypeINumber of Outputs1Voltage - Input (Min)2.9VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Max)1.5ACurrent - Output5.5MESynchronous RectifierSomOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeGutfor Exposed PadPackage / Case6.0LEPIN Exposed PadSupplier Device Package6.0LEPIN (2x2)	Package	6-UFDFN Exposed Pad
Output Configuration Positive Topology Buck Output Type Fixed Number of Outputs 1 Voltage - Input (Min) 2.9V Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 1.3V Voltage - Output (Max) - Current - Output 1.5A Frequency - Switching 2.5MHz Operating Temperature 40°C ~ 125°C (TJ) Mounting Type Surface Mount Package / Case 6-UEDFN Exposed Pad Supplier Device Package 6-MLPD-UT (2x2)	Series	-
ToplogyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UEDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Function	Step-Down
Output TypeFixedNumber of Outputs1Voltage - Input (Min)2.9VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.3VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadSupplier Device Package6-MLPD-UT (2x2)	Output Configuration	Positive
Number of Outputs1Number of Outputs1.9VVoltage - Input (Min)5.5VVoltage - Output (Min/Fixed)1.3VVoltage - 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)1.3VVoltage - Output (Max)-Current - Output1.5AFrequency - Switching2.5MHzSynchronous RectifierYesOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case6-UFDFN Exposed PadaSupplier Device Package6-MLPD-UT (2x2)	Output Type	Fixed
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.3VVoltage - 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)1.3VVoltage - 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)	1.3V
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 Package 6-MLPD-UT (2x2)	Mounting Type	Surface Mount
	Package / Case	6-UFDFN Exposed Pad
Report errors?	Supplier Device Package	6-MLPD-UT (2x2)
		Report errors?

SC189FULTRT 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

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

SC189FULTRT Payment Methods



SC189FULTRT Shipping Methods



If you have any question about SC189FULTRT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com