

LTC3859AHFE#PBF

LTC3859AHFE#PBF 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.



LTC3859AHFE#PBF Specifications

Manufacturer Part NumberLTC3859AHFE#PBFManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage38-TFSOP (0.173", 4.40mm Width) Exposed PadSeries-Output TypeTransistor DriverFunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-Boost, SEPICNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)9%, 100%Synchronous RectifierYesClock SyncNoControl FeaturesEnable Frequency Control Power Good Soft Start Tracking		
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Series-Output TypeTransistor DriverFunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-Boost, SEPICNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)99%, 100%Synchronous RectifierKesClock SyncNoSerial Interfaces-		PMIC - Voltage Regulators - DC DC Switching Controllers
Output TypeTransistor DriverFunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-Boost, SEPICNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching19%, 100%Duty Cycle (Max)SesSynchronous RectifierYesClock SyncNoSerial Interfaces-	Package	38-TFSOP (0.173", 4.40mm Width) Exposed Pad
FunctionStep-Down, Step-Up/Step-DownOutput ConfigurationPositiveTopologyBuck, Buck-Boost, SEPICNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)99%, 100%Synchronous RectifierYesClock SyncNoSerial Interfaces-	Series	-
NumberOutput ConfigurationPositiveTopologyBuck, Buck-Boost, SEPICNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)99%, 100%Synchronous RectifierKesClock SyncNoSerial Interfaces-	Output Type	Transistor Driver
TopologyBuck, Buck-Boost, SEPICNumber of Outputs3Output Phases2Voltage - Supply (Vcc/Vd0)4.5 V ~ 38 VFrequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)99%, 100%Synchronous RectifierYesClock SyncNoSerial Interfaces-	Function	Step-Down, Step-Up/Step-Down
Number of Outputs3Output Phases2Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)99%, 100%Synchronous RectifierYesClock SyncNoSerial Interfaces-	Output Configuration	Positive
NoteNoteOutput Phases2Voltage - Supply (Vcc/Vd)4.5 V ~ 38 VFrequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)99%, 100%Synchronous RectifierYesClock SyncNoSerial Interfaces-	Topology	Buck, Buck-Boost, SEPIC
Voltage - Supply (Vcc/Vdd)4.5 V ~ 38 VFrequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)99%, 100%Synchronous RectifierYesClock SyncNoSerial Interfaces-	Number of Outputs	3
Frequency - Switching115kHz ~ 835kHz, 350kHz ~ 535kHzDuty Cycle (Max)99%, 100%Synchronous RectifierYesClock SyncNoSerial Interfaces-	Output Phases	2
Duty Cycle (Max)99%, 100%Synchronous RectifierYesClock SyncNoSerial Interfaces-	Voltage - Supply (Vcc/Vdd)	4.5 V ~ 38 V
Synchronous RectifierYesClock SyncNoSerial Interfaces-	Frequency - Switching	115kHz ~ 835kHz, 350kHz ~ 535kHz
Clock Sync No Serial Interfaces -	Duty Cycle (Max)	99%, 100%
Serial Interfaces -	Synchronous Rectifier	Yes
	Clock Sync	No
Control Features Enable Frequency Control Power Good Soft Start Tracking	Serial Interfaces	-
Endote, Frequency Control, Force Cood, Soft Start, Franking	Control Features	Enable, Frequency Control, Power Good, Soft Start, Tracking
Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{(TJ)}$	Operating Temperature	-40°C ~ 150°C (TJ)
Package / Case38-TFSOP (0.173", 4.40mm Width) Exposed Pad	Package / Case	38-TFSOP (0.173", 4.40mm Width) Exposed Pad
Supplier Device Package 38-TSSOP-EP	Supplier Device Package	38-TSSOP-EP
Report errors		Report errors?

LTC3859AHFE#PBF 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.

LTC3859AHFE#PBF Payment Methods



If you have any question about LTC3859AHFE#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com