

LT8705AEFE#PBF

LT8705AEFE#PBF Information



For Reference Only

Part Number LT8705AEFE#PBF
Manufacturer Linear Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

Description IC REG CTRLR BUCK-BOOST 38TSSOP

Package 38-TFSOP (0.173", 4.40mm Width) 31 Leads,

Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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LT8705AEFE#PBF Specifications

Manufacturer Part Number LT8705AEFE#PBF Manufacturer Linear Technology Category Integrated Circuits (ICs) Package 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Series - Output Type Transistor Driver Function Step-Up/Step-Down Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP		
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Series-Output TypeTransistor DriverFunctionStep-Up/Step-DownOutput ConfigurationPositiveTopologyBuck-BoostNumber of Outputs2Output Phases2Voltage - Supply (Vcc/Vdd)2.8 V ~ 80 VFrequency - Switching100kHz ~ 400kHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Soft StartOperating Temperature-40°C ~ 125°CPackage / Case38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed PadSupplier Device Package38-TSSOP		PMIC - Voltage Regulators - DC DC Switching Controllers
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Function Step-Up/Step-Down Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package	Series	-
Output Configuration Positive Topology Buck-Boost Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP	Output Type	Transistor Driver
Topology Number of Outputs 2 Output Phases 2 Voltage - Supply (Vcc/Vdd) Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Serial Interfaces - Control Features Departing Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package	Function	Step-Up/Step-Down
Number of Outputs Output Phases 2 Voltage - Supply (Vcc/Vdd) Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Clock Sync Serial Interfaces Control Features Operating Temperature -40°C ~ 125°C Package / Case Supplier Device Package 2 V = 80 V 100kHz ~ 400kHz - 100kHz ~ 400kHz	Output Configuration	Positive
Output Phases Voltage - Supply (Vcc/Vdd) 2.8 V ~ 80 V Frequency - Switching 100kHz ~ 400kHz Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP	Topology	Buck-Boost
Voltage - Supply (Vcc/Vdd)2.8 V ~ 80 VFrequency - Switching100kHz ~ 400kHzDuty Cycle (Max)-Synchronous RectifierYesClock SyncYesSerial Interfaces-Control FeaturesEnable, Frequency Control, Soft StartOperating Temperature-40°C ~ 125°CPackage / Case38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed PadSupplier Device Package38-TSSOP	Number of Outputs	2
Frequency - Switching Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Serial Interfaces - Control Features Departing Temperature Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package	Output Phases	2
Duty Cycle (Max) Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package	Voltage - Supply (Vcc/Vdd)	2.8 V ~ 80 V
Synchronous Rectifier Yes Clock Sync Yes Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP	Frequency - Switching	100kHz ~ 400kHz
Clock Sync Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP	Duty Cycle (Max)	-
Serial Interfaces - Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP	Synchronous Rectifier	Yes
Control Features Enable, Frequency Control, Soft Start Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP	Clock Sync	Yes
Operating Temperature -40°C ~ 125°C Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP	Serial Interfaces	-
Package / Case 38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad Supplier Device Package 38-TSSOP	Control Features	Enable, Frequency Control, Soft Start
Supplier Device Package 38-TSSOP	Operating Temperature	-40°C ~ 125°C
	Package / Case	38-TFSOP (0.173", 4.40mm Width) 31 Leads, Exposed Pad
Report errors?	Supplier Device Package	38-TSSOP
		Report errors?

LT8705AEFE#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.

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LT8705AEFE#PBF Shipping Methods













If you have any question about LT8705AEFE#PBF, please do not hesitate to contact us!

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