

# LT1170CQ#PBF

## LT1170CQ#PBF Information



For Reference Only

	LT1170CQ#PBF	
Manufacturer	Linear Technology	
Category	Integrated Circuits (ICs) PMIC - Voltage Regulators - DC DC Switching Regulators	
Description	IC REG MULT CONFIG INV ADJ DDPAK	
Package	TO-263-6, D2Pak (5 Leads + Tab), TO-263BA	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



Request a Quote

## **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.



## LT1170CQ#PBF Specifications

ManufacturerLinear TenologyManufacturerIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching RegulatorsPackageTO-263-6, D2Pak (5 Leads + Tab), TO-263BASeries-FunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBuck, Boost, Cuk, Flyback, Forward ConverterOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Current - Output5A (Switch)Synchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BA	_	
CategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackageTO-263-6, D2Pak (5 Leads + Tab), TO-263BASeries-FunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBuck, Boost, Cuk, Flyback, Forward ConverterOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Min/Fixed)5N (Switch)Current - Output5A (Switch)Current - Output5A (Switch)Synchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / Case5-DDPAKSupplier Device Package5-DDPAK	Manufacturer Part Number	LT1170CQ#PBF
PMC - Voltage Regulators - DC DC Switching RegulatorsPackageTO-263-6, D2Pak (5 Leads + Tab), TO-263BASeries-FunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBuck, Boost, Cuk, Flyback, Forward ConverterOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Min/Fixed)5V (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / Case5-DDPAK	Manufacturer	Linear Technology
PackageTO-263-6, D2Pak (5 Leads + Tab), TO-263BASeries-FunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBuck, Boost, Cuk, Flyback, Forward ConverterOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Min/Fixed)65V (Switch)Current - Output5A (Switch)Synchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Category	Integrated Circuits (ICs)
Series-FunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBuck, Boost, Cuk, Flyback, Forward ConverterOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Synchronous Rectifier100kHzSynchronous Rectifier0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / Case5-DDPAK		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositive or NegativeTopologyBuck, Boost, Cuk, Flyback, Forward ConverterOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)40VVoltage - Output (Max)54 (Switch)Voltage - Output (Max)65V (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous Rectifier0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTo-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Package	TO-263-6, D2Pak (5 Leads + Tab), TO-263BA
Output ConfigurationPositive or NegativeTopologyBuck, Boost, Cuk, Flyback, Forward ConverterOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / Case5-DDPAK	Series	-
TopologyBuck, Boost, Cuk, Flyback, Forward ConverterOutput TypeAdjustableNumber of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Function	Step-Up, Step-Down, Step-Up/Step-Down
Output TypeAdjustableNumber of Outputs1Number of Outputs3VVoltage - Input (Min)3VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous Rectifier0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Output Configuration	Positive or Negative
Number of Outputs1Voltage - Input (Min)3VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous Rectifier0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Topology	Buck, Boost, Cuk, Flyback, Forward Converter
Voltage - Input (Min)3VVoltage - Input (Max)40VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Output Type	Adjustable
Voltage - Input (Max)40VVoltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Current - Output100kHzFrequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Number of Outputs	1
Voltage - Output (Min/Fixed)1.244VVoltage - Output (Max)65V (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Voltage - Input (Min)	3V
Voltage - Output (Max)65V (Switch)Current - Output5A (Switch)Frequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Voltage - Input (Max)	40V
Current - Output5A (Switch)Frequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Voltage - Output (Min/Fixed)	1.244V
Frequency - Switching100kHzSynchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Voltage - Output (Max)	65V (Switch)
Synchronous RectifierNoOperating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Current - Output	5A (Switch)
Operating Temperature0°C ~ 100°C (TJ)Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Frequency - Switching	100kHz
Mounting TypeSurface MountPackage / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Synchronous Rectifier	No
Package / CaseTO-263-6, D2Pak (5 Leads + Tab), TO-263BASupplier Device Package5-DDPAK	Operating Temperature	0°C ~ 100°C (TJ)
Supplier Device Package 5-DDPAK	Mounting Type	Surface Mount
	Package / Case	TO-263-6, D2Pak (5 Leads + Tab), TO-263BA
Report errors?	Supplier Device Package	5-DDPAK
		Report errors?

#### LT1170CQ#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.

### LT1170CQ#PBF Payment Methods



## LT1170CQ#PBF Shipping Methods



If you have any question about LT1170CQ#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com