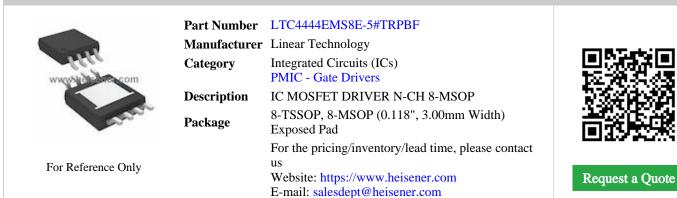


LTC4444EMS8E-5#TRPBF Information



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.



LTC4444EMS8E-5#TRPBF Specifications

ManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs) PMIC - Gate DriversPackage& TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)Sns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case& -TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package& -MSOP-EP		
CategoryIntegrated CircuisPackagePMIC - Gate DriversPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Manufacturer Part Number	LTC4444EMS8E-5#TRPBF
PMIC - Gate DriversPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Manufacturer	Linear Technology
Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)Sns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP		PMIC - Gate Drivers
Driven ConfigurationHalf-BridgeDriven ConfigurationIndependentChannel Type2Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)SonsOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Channel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)Sns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Series	-
Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Channel Type	Independent
Voltage - Supply4.5 V ~ 13.5 VLogic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Number of Drivers	2
Logic Voltage - VIL, VIH1.85V, 3.25VCurrent - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Gate Type	N-Channel MOSFET
Current - Peak Output (Source, Sink)2.5A, 3AInput TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Voltage - Supply	4.5 V ~ 13.5 V
Input TypeInvertingHigh Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadaSupplier Device Package8-MSOP-EP	Logic Voltage - VIL, VIH	1.85V, 3.25V
High Side Voltage - Max (Bootstrap)114VRise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Current - Peak Output (Source, Sink)	2.5A, 3A
Rise / Fall Time (Typ)8ns, 5nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Input Type	Inverting
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	High Side Voltage - Max (Bootstrap)	114V
Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Rise / Fall Time (Typ)	8ns, 5ns
Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Operating Temperature	-40°C ~ 125°C (TJ)
Supplier Device Package 8-MSOP-EP	Mounting Type	Surface Mount
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad
Report errors?	Supplier Device Package	8-MSOP-EP
		Report errors?

LTC4444EMS8E-5#TRPBF 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.



WIRE transfer PayPal MoneyGram Alipay: VISA with the set of the s



If you have any question about LTC4444EMS8E-5#TRPBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com