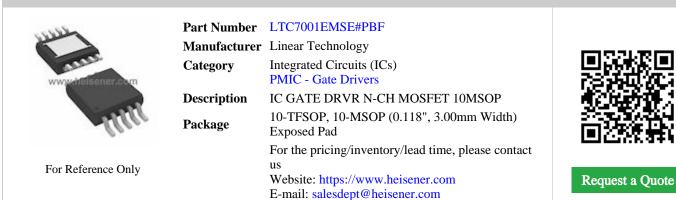


LTC7001EMSE#PBF

LTC7001EMSE#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.



LTC7001EMSE#PBF Specifications

Manufacturer Part NumberLTC7001EMSE#PBFManufacturerLinear TechnologyCategoryIntegrated Circuits (ICs)PackagePMIC - Gate DriversPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationHigh-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply.5 V ~ 15 VLogic Voltage - VIL, VIH-Logic Voltage - Max (Bootstrap).4High Side Voltage - Max (Bootstrap).4Non-Inverting90ns, 40nsOperating Temperature.40°C ~ 125°C (TJ)Mounting TypeSinge Mount			
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationHigh-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply3.5 V ~ 15 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Manufacturer Part Number	LTC7001EMSE#PBF	
PackagePMIC - Gate DriversPackage10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationHigh-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply3.5 V ~ 15 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Moutt	Manufacturer	Linear Technology	
Package10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationHigh-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply-Logic Voltage - VIL, VIH-Logic Voltage - VIL, VIH-High Side Voltage - Max (Bootstrap)-High Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)90ns, 40nsMounting TypeSurface MountHonting TypeSurface Mount	Category	Integrated Circuits (ICs)	
Series-Series-Driven ConfigurationHigh-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply3.5 V ~ 15 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount		PMIC - Gate Drivers	
Driven ConfigurationHigh-SideDriven ConfigurationHigh-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply3.5 V ~ 15 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Package	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad	
Channel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply3.5 V ~ 15 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Series	-	
Number of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply $3.5 V \sim 15 V$ Logic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Driven Configuration	High-Side	
Gate TypeN-Channel MOSFETVoltage - Supply $3.5 V \sim 15 V$ Logic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Channel Type	Single	
Voltage - Supply3.5 V ~ 15 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Number of Drivers	1	
Logic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Gate Type	N-Channel MOSFET	
Current - Peak Output (Source, Sink)-Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Voltage - Supply	3.5 V ~ 15 V	
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Logic Voltage - VIL, VIH	-	
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Current - Peak Output (Source, Sink)	-	
Rise / Fall Time (Typ)90ns, 40nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	Input Type	Non-Inverting	
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface Mount	High Side Voltage - Max (Bootstrap)	-	
Mounting Type Surface Mount	Rise / Fall Time (Typ)	90ns, 40ns	
	Operating Temperature	-40°C ~ 125°C (TJ)	
	Mounting Type	Surface Mount	
Package / Case 10-1FSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad	Package / Case	10-TFSOP, 10-MSOP (0.118", 3.00mm Width) Exposed Pad	
Supplier Device Package 10-MSOP	Supplier Device Package	10-MSOP	
Report errors			Report errors?

LTC7001EMSE#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 BUARANTEE

Service Guarantees

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

DISCOVER

LTC7001EMSE#PBF Payment Methods



LTC7001EMSE#PBF Shipping Methods



If you have any question about LTC7001EMSE#PBF, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com