

MCP14A0155-E/MS

MCP14A0155-E/MS Information



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For Reference Only

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.



MCP14A0155-E/MS Specifications

Manufacturer Part Number MCP14A0155-E/MS Manufacturer Microchip Technology Category Integrated Circuits (ICs) Package PMIC - Gate Drivers Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Series - Driven Configuration Low-Side Channel Type Independent Number of Drivers 2 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 18 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) 1.5A, 1.5A Input Type Inverting, Non-Inverting High Side Voltage - Max (Bootstrap) - Operating Temperature 40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)		
CategoryIntegrad Circuits (ICs)PackagePMIC - Gate DriversPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series-Driven ConfigurationLow-SideChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Manufacturer Part Number	MCP14A0155-E/MS
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Driven ConfigurationLow-SideDriven ConfigurationIndependentChannel Type2Sumber of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
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Number of Drivers2Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Driven Configuration	Low-Side
Gate TypeN-Channel MOSFETVoltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)11.5ns, 10nsOperating Type-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Channel Type	Independent
Voltage - Supply4.5 V ~ 18 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Number of Drivers	2
Logic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)1.5A, 1.5AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Voltage - Supply	4.5 V ~ 18 V
Input TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Current - Peak Output (Source, Sink)	1.5A, 1.5A
Rise / Fall Time (Typ)11.5ns, 10nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Input Type	Inverting, Non-Inverting
Operating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	High Side Voltage - Max (Bootstrap)	-
Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Rise / Fall Time (Typ)	11.5ns, 10ns
Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Supplier Device Package8-MSOP	Operating Temperature	-40°C ~ 150°C (TJ)
Supplier Device Package 8-MSOP	Mounting Type	Surface Mount
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Report errors?	Supplier Device Package	8-MSOP
		Report errors?

MCP14A0155-E/MS 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.

MCP14A0155-E/MS Payment Methods





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