



### MAX15019AASA+ Information



For Reference Only

Part Number MAX15019AASA+

Manufacturer Maxim Integrated

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description**IC MOSF DRVR HALF BRDG HS 8-SOIC**Package**8-SOIC (0.154", 3.90mm Width) 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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## **MAX15019AASA+ Specifications**

Manufacturer Part NumberMAX15019AASA+ManufacturerMaxim IntegratedCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width) Exposed PadSeries-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 12.6 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)125VRise / Fall Time (Typ)50ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP		
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Series-Driven ConfigurationHalf-BridgeChannel TypeIndependentNumber of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 12.6 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)125VRise / Fall Time (Typ)50ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP		PMIC - Gate Drivers
Driven Configuration  Half-Bridge Channel Type Independent  Number of Drivers  2  Gate Type N-Channel MOSFET  Voltage - Supply 8 V ~ 12.6 V  Logic Voltage - VIL, VIH 0.8V, 2V  Current - Peak Output (Source, Sink) 3A, 3A  Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 125V  Rise / Fall Time (Typ) 50ns, 40ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Channel Type Independent  Number of Drivers 2  Gate Type N-Channel MOSFET  Voltage - Supply 8 V ~ 12.6 V  Logic Voltage - VIL, VIH 0.8V, 2V  Current - Peak Output (Source, Sink) 3A, 3A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) 125V  Rise / Fall Time (Typ) 50ns, 40ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package 8-SOIC-EP	Series	-
Number of Drivers2Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 12.6 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)125VRise / Fall Time (Typ)50ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Driven Configuration	Half-Bridge
Gate TypeN-Channel MOSFETVoltage - Supply8 V ~ 12.6 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)3A, 3AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)125VRise / Fall Time (Typ)50ns, 40nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width) Exposed PadSupplier Device Package8-SOIC-EP	Channel Type	Independent
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package	Number of Drivers	2
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Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package	Voltage - Supply	8 V ~ 12.6 V
Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 125V Rise / Fall Time (Typ) 50ns, 40ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package 8-SOIC-EP	Logic Voltage - VIL, VIH	0.8V, 2V
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Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width) Exposed Pad  Supplier Device Package  8-SOIC-EP	High Side Voltage - Max (Bootstrap)	125V
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Exposed Pad Supplier Device Package 8-SOIC-EP	Rise / Fall Time (Typ)	50ns, 40ns
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Supplier Device Package 8-SOIC-EP	Mounting Type	Surface Mount
	Package / Case	8-SOIC (0.154", 3.90mm Width) Exposed Pad
Report errors?	Supplier Device Package	8-SOIC-EP
		Report errors?

#### MAX15019AASA+ 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.

### MAX15019AASA+ Payment Methods



















## MAX15019AASA+ Shipping Methods













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