

# **MIC2549A-1BM**

### **MIC2549A-1BM Information**

www.hrisener.com	 MIC2549A-1BM Microchip Technology Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers IC SW CURR LIMIT HI SIDE 8-SOP 8-SOIC (0.154", 3.90mm Width) For the pricing/inventory/lead time, please contact	
For Reference Only	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.



## **MIC2549A-1BM Specifications**

Manufacturer Microchip Technology   Integrated Circuits (ICs)   PMIC - Power Distribution Switches, Load Drivers   Package 8-SOIC (0.154", 3.90mm Width)   Series -   Switch Type USB Switch   Number of Outputs 1   Ratio - Input:Output 1:1   Output Configuration High Side   Output Type N-Channel   Interface On/Off   Voltage - Load 2.7 V ~ 5.5 V   Voltage - Supply (Vcc/Vdd) Not Required   Interface 3A   Rds On (Typ) 35 mOhm   Input Type Non-Inverting   Features Slew Rate Controlled, Status Flag   Fautres Slew Rate Controlled, Status Flag   Fautre Temperature 40°C ~ 85°C (TA)   Package / Case 8-SOIC (0.154", 3.90mm Width)			
CategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackage&-SOIC (0.154", 3.90mm Width)Series-Switch TypeUSB SwitchNumber of Outputs1Ratio - Input:Output1.1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredNon-Inverting35 mOhmInput TypeSem Controlled, Status FlagFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature4.90°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	MIC2549A-1BM	
PMIC - Power Distribution Switches, Load DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Switch TypeUSB SwitchNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)	Manufacturer	Microchip Technology	
Package8-SOIC (0.154", 3.90mm Width)Series-Switch TypeUSB SwitchNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)	
Series-SwitchUSB SwitchNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelOutput TypeOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)Si mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault Protection-Uurent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature+40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)		PMIC - Power Distribution Switches, Load Drivers	
Switch TypeUSB SwitchNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)Sim OhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature40°C ~ 85°C (TA)Supplier Device Package8-SOIC	Package	8-SOIC (0.154", 3.90mm Width)	
Number of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)	Series	-	
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelOutput TypeOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)	Switch Type	USB Switch	
Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault Protection-40°C ~ 85°C (TA)Operating Temperature8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Number of Outputs	1	
Output TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Ratio - Input:Output	1:1	
InterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)	Output Configuration	High Side	
Voltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)	Output Type	N-Channel	
Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Interface	On/Off	
Current - Output (Max)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFeaturesCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Voltage - Load	2.7 V ~ 5.5 V	
Rds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Voltage - Supply (Vcc/Vdd)	Not Required	
Input TypeNon-InvertingInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Current - Output (Max)	3A	
FeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Rds On (Typ)	35 mOhm	
Fault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Input Type	Non-Inverting	
Operating Temperature-40°C ~ 85°C (TA)Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Features	Slew Rate Controlled, Status Flag	
Package / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Fault Protection	Current Limiting (Adjustable), Over Temperature, Reverse Current	
Supplier Device Package 8-SOIC	Operating Temperature	-40°C ~ 85°C (TA)	
	Package / Case	8-SOIC (0.154", 3.90mm Width)	
Report errors?	Supplier Device Package	8-SOIC	
			Report errors?

#### **MIC2549A-1BM 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.

#### MIC2549A-1BM Payment Methods



## MIC2549A-1BM Shipping Methods



If you have any question about MIC2549A-1BM, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com