

# **MIC2545A-1YTS**

#### **MIC2545A-1YTS Information**

itititi wyw.bbbbne.com 	 MIC2545A-1YTS Microchip Technology Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers IC SW CURR LIMIT HI SIDE 14TSSOP 14-TSSOP (0.173", 4.40mm 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.



## **MIC2545A-1YTS Specifications**

ManufacturerMicrochip TechnologyIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackage14-TSSOP (0.173", 4.40mm Width)Series-Switch TypeUSB SwitchNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeNorderNorder - Sorder0/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredNorder3ARats On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature44-TSSOP (0.173", 4.40mm Width)				
CategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackage14-TSSOP (0.173", 4.40mm 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-Inverting3ARds On (Typ)35 mOhmInput TypeSew Rate Controlled, Status FlagFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case14-TSSOPSupplier Device Package14-TSSOP	Manufacturer Part Number	MIC2545A-1YTS		
PMIC - Power Distribution Switches, Load DriversPackage14-TSSOP (0.173", 4.40mm 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 RequiredRds On (Typ)3ARds On (Typ)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Supplier Device Package14-TSSOP	Manufacturer	Microchip Technology		
Package14-TSSOP (0.173", 4.40mm 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 / Case14-TSSOP (0.173", 4.40mm Width)	Category	Integrated Circuits (ICs)		
Series-Switch TypeUSB 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)35 mOhmInput TypeSea Current Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP		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 OhmInterfaceSew Rate Controlled, Status FlagFeaturesSlew Rate Controlled, Status FlagPackage / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Package	14-TSSOP (0.173", 4.40mm Width)		
Number 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)35 mOhmInput TypeNon-InvertingFeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Supplier Device Package14-TSSOP (0.173", 4.40mm Width)	Series	-		
Ratio - 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 / Case14-TSSOP (0.173", 4.40mm Width)	Switch Type	USB Switch		
Output ConfigurationHigh SideOutput TypeN-ChannelOutput TypeOn/OffInterfaceOn/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 / Case14-TSSOP (0.173", 4.40mm Width)	Number of Outputs	1		
Output TypeN-ChannelInterfaceOn/OffVoltage - Load $2.7 V \sim 5.5 V$ 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 / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	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 / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	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 / Case14-TSSOP (0.173", 4.40mm 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 / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Interface	On/Off		
Current - 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 / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	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 / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	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 / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Current - Output (Max)	3A		
FeaturesSlew Rate Controlled, Status FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Rds On (Typ)	35 mOhm		
Fault ProtectionCurrent Limiting (Adjustable), Over Temperature, Reverse CurrentOperating Temperature-40°C ~ 85°C (TA)Package / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Input Type	Non-Inverting		
Operating Temperature-40°C ~ 85°C (TA)Package / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Features	Slew Rate Controlled, Status Flag		
Package / Case14-TSSOP (0.173", 4.40mm Width)Supplier Device Package14-TSSOP	Fault Protection	Current Limiting (Adjustable), Over Temperature, Reverse Current		
Supplier Device Package 14-TSSOP	Operating Temperature	$-40^{\circ}C \sim 85^{\circ}C$ (TA)		
	Package / Case	14-TSSOP (0.173", 4.40mm Width)		
Report errors?	Supplier Device Package	14-TSSOP		
			Report errors?	

#### **MIC2545A-1YTS 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.

#### MIC2545A-1YTS Payment Methods



#### **MIC2545A-1YTS Shipping Methods**



If you have any question about MIC2545A-1YTS, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com