



### **RT9728AHGE Information**



For Reference Only

Part Number RT9728AHGE
Manufacturer Richtek USA Inc.
Category Integrated Circuits

Integrated Circuits (ICs)
PMIC - Power Distribution Switches, Load Drivers

**Description** IC PWR SW USB 1.3A SOT23-6

Package SOT-23-6

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **Certified Quality**

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## **RT9728AHGE Specifications**

Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         SOT-23-6           Series         -           Switch Type         USB Switch           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         P-Channel           Interface         On/Off           Voltage - Load         2.5 V ~ 5.5 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         1.3A           Rds On (Typ)         120 mOhm           Input Type         Non-Inverting           Features         Status Flag           Fault Protection         Current Limiting (Adjustable), Over Temperature, UVLO           Operating Temperature         -40°C ~ 85°C (TA)		
Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         SOT-23-6           Series         -           Switch Type         USB Switch           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         P-Channel           Interface         On/Off           Voltage - Load         2.5 V ~ 5.5 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         1.3A           Rds On (Typ)         120 mOhm           Input Type         Non-Inverting           Features         Status Flag           Fault Protection         Current Limiting (Adjustable), Over Temperature, UVLO           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6	Manufacturer Part Number	RT9728AHGE
Package SOT-23-6 Series - Switch Type USB Switch Number of Outputs 1:1 Output Configuration High Side Output Type P-Channel Interface On/Off Voltage - Load 2.5 V ~ 5.5 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.3A Rds On (Typ) 120 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Manufacturer	Richtek USA Inc.
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Switch Type  Number of Outputs  1 Ratio - Input:Output  1:1 Output Configuration  High Side Output Type  P-Channel Interface On/Off  Voltage - Load  2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max)  1.3A  Rds On (Typ) 120 mOhm Input Type Non-Inverting Features Status Flag  Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 85°C (TA)  Package / Case Supplier Device Package SOT-23-6	Package	SOT-23-6
Number of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeP-ChannelInterfaceOn/OffVoltage - Load2.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1.3ARds On (Typ)120 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Adjustable), Over Temperature, UVLOOperating Temperature-40°C ~ 85°C (TA)Package / CaseSOT-23-6Supplier Device PackageSOT-23-6	Series	-
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Output Configuration  Output Type  P-Channel  Interface  On/Off  Voltage - Load  2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  Supplier Device Package  High Side  Po-Channel  P-Channel  Not-Guide  P-Channel  Not-Guide  Package / Case  SOT-23-6	Number of Outputs	1
Output Type P-Channel Interface On/Off  Voltage - Load 2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 1.3A  Rds On (Typ) 120 mOhm  Input Type Non-Inverting  Features Status Flag  Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO  Operating Temperature -40°C ~ 85°C (TA)  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Ratio - Input:Output	1:1
Interface On/Off  Voltage - Load 2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 1.3A  Rds On (Typ) 120 mOhm  Input Type Non-Inverting  Features Status Flag  Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO  Operating Temperature -40°C ~ 85°C (TA)  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Output Configuration	High Side
Voltage - Load  2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  1.3A  Rds On (Typ)  120 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature, UVLO  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SOT-23-6  Supplier Device Package  SOT-23-6	Output Type	P-Channel
Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  120 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature, UVLO  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SUT-23-6  Supplier Device Package  SOT-23-6	Interface	On/Off
Current - Output (Max)  Rds On (Typ)  120 mOhm  Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Current Limiting (Adjustable), Over Temperature, UVLO  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SOT-23-6  Supplier Device Package  SOT-23-6	Voltage - Load	2.5 V ~ 5.5 V
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Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Current - Output (Max)	1.3A
Features Status Flag Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Rds On (Typ)	120 mOhm
Fault Protection Current Limiting (Adjustable), Over Temperature, UVLO  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Input Type	Non-Inverting
Operating Temperature -40°C ~ 85°C (TA)  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Features	Status Flag
Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Fault Protection	Current Limiting (Adjustable), Over Temperature, UVLO
Supplier Device Package SOT-23-6	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
	Package / Case	SOT-23-6
Report errors?	Supplier Device Package	SOT-23-6
		Report errors?

#### **RT9728AHGE 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.

# **RT9728AHGE Payment Methods**



















## **RT9728AHGE Shipping Methods**













If you have any question about RT9728AHGE, please do not hesitate to contact us!

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