



RT9742EGJ5 Information



For Reference Only

Part Number RT9742EGJ5

Manufacturer Richtek USA Inc.

Category Integrated Circuits

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

Description IC USB POWER SWITCH TSOT23-5

Package SOT-23-5 Thin, TSOT-23-5

For the pricing/inventory/lead time, please contact

us

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



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RT9742EGJ5 Specifications

Manufacturer Part Number RT9742EGJ5 Manufacturer Richtek USA Inc. Category Integrated Circuits (ICs) Package SOT-23-5 Thin, TSOT-23-5 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 ~ 6 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge, Status Flag Fault Protection Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5 Report errors?			
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Output TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 6 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1.5ARds On (Typ)70 mOhmInput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 85°C (TA)Package / CaseSOT-23-5 Thin, TSOT-23-5Supplier Device PackageTSOT-23-5	Ratio - Input:Output	1:1	
Interface On/Off Voltage - Load 2.7 V ~ 6 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge, Status Flag Fault Protection Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Output Configuration	High Side	
Voltage - Load 2.7 V ~ 6 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge, Status Flag Fault Protection Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Output Type	N-Channel	
Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.5A Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge, Status Flag Fault Protection Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Interface	On/Off	
Current - Output (Max) Rds On (Typ) 70 mOhm Input Type Non-Inverting Features Load Discharge, Status Flag Fault Protection Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Voltage - Load	2.7 V ~ 6 V	
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Input Type Non-Inverting Features Load Discharge, Status Flag Fault Protection Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Current - Output (Max)	1.5A	
Features Load Discharge, Status Flag Fault Protection Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Rds On (Typ)	70 mOhm	
Fault Protection Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Input Type	Non-Inverting	
Operating Temperature -40°C ~ 85°C (TA) Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Features	Load Discharge, Status Flag	
Package / Case SOT-23-5 Thin, TSOT-23-5 Supplier Device Package TSOT-23-5	Fault Protection	Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO	
Supplier Device Package TSOT-23-5	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	
	Package / Case	SOT-23-5 Thin, TSOT-23-5	
Report errors?	Supplier Device Package	TSOT-23-5	
			Report errors?

RT9742EGJ5 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.

RT9742EGJ5 Payment Methods



















RT9742EGJ5 Shipping Methods













If you have any question about RT9742EGJ5, please do not hesitate to contact us!

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