



AUIPS6011S Information



For Reference Only

Part Number AUIPS6011S

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

Description IC SW IPS 1CH HIGH SIDE D2PAK-5

Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB For the pricing/inventory/lead time, please contact

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.









AUIPS6011S Specifications

Manufacturer Part Number AUIPS6011S Manufacturer Infineon Technologies Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Series Automotive, AEC-Q100 Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 36V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK			
Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Series Automotive, AEC-Q100 Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 36V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Manufacturer Part Number	AUIPS6011S	
Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Series Automotive, AEC-Q100 Switch Type General Purpose Number of Outputs 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 36V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limitog (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package	Manufacturer	Infineon Technologies	
Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Series Automotive, AEC-Q100 Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 36V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package	Category	Integrated Circuits (ICs)	
Series Automotive, AEC-Q100 Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 36V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package		PMIC - Power Distribution Switches, Load Drivers	
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load36V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6.3ARds On (Typ)11 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-263-5, D2Pak (4 Leads + Tab), TO-263BBSupplier Device PackageD2PAK	Package	TO-263-5, D2Pak (4 Leads + Tab), TO-263BB	
Number of Outputs Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 36V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package	Series	Automotive, AEC-Q100	
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load36V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6.3ARds On (Typ)11 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-263-5, D2Pak (4 Leads + Tab), TO-263BBSupplier Device PackageD2PAK	Switch Type	General Purpose	
Output Configuration Output Type N-Channel Interface On/Off Voltage - Load 36V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Number of Outputs	1	
Output TypeN-ChannelInterfaceOn/OffVoltage - Load36V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6.3ARds On (Typ)11 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-263-5, D2Pak (4 Leads + Tab), TO-263BBSupplier Device PackageD2PAK	Ratio - Input:Output	1:1	
Interface On/Off Voltage - Load 36V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Output Configuration	High Side	
Voltage - Load Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Output Type	N-Channel	
Voltage - Supply (Vcc/Vdd) Current - Output (Max) 6.3A Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Interface	On/Off	
Current - Output (Max) Rds On (Typ) 11 mOhm Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Voltage - Load	36V (Max)	
Rds On (Typ) Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Voltage - Supply (Vcc/Vdd)	Not Required	
Input Type Non-Inverting Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Current - Output (Max)	6.3A	
Features Auto Restart Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Rds On (Typ)	11 mOhm	
Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Input Type	Non-Inverting	
Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Features	Auto Restart	
Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature	
Supplier Device Package D2PAK	Operating Temperature	-40°C ~ 150°C (TJ)	
	Package / Case	TO-263-5, D2Pak (4 Leads + Tab), TO-263BB	
Report errors?	Supplier Device Package	D2PAK	
			Report errors?

AUIPS6011S 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.

AUIPS6011S Payment Methods



















AUIPS6011S Shipping Methods













If you have any question about AUIPS6011S, please do not hesitate to contact us!

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