



### **AUIR3317S Information**



For Reference Only

Part Number AUIR3317S

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

DescriptionIC SW LOW EMI CURR SENSE D2PAK-5PackageTO-263-5, D2Pak (4 Leads + Tab), TO-263BB

For the pricing/inventory/lead time, please contact

us

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## **AUIR3317S Specifications**

Manufacturer Part Number         AUIR3317S           Manufacturer         Infineon Technologies           Category         Integrated Circuits (ICs)           PAIC - 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 Type         N-Channel           Interface         On/Off           Voltage - Load         6 V ~ 26 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         7A           Rds On (Typ)         5.5 mOhm           Input Type         Non-Inverting           Features         -           Features         -           Features         -           Feature Feature         -40°C ~ 150°C (TJ)           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         6 V ~ 26 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         7A           Rds On (Typ)         5.5 mOhm           Input Type         Non-Inverting           Features         -           Fault Protection         Current Limiting (Fixed), 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	AUIR3317S
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         6 V ~ 26 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         7A           Rds On (Typ)         5.5 mOhm           Input Type         Non-Inverting           Features         -           Fault Protection         Current Limiting (Fixed), 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	Infineon Technologies
PackageTO-263-5, D2Pak (4 Leads + Tab), TO-263BBSeriesAutomotive, AEC-Q100Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load6 V ~ 26 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)7ARds On (Typ)5.5 mOhmInput TypeNon-InvertingFeatures-Fault ProtectionCurrent Limiting (Fixed), Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-263-5, D2Pak (4 Leads + Tab), TO-263BBSupplier Device PackageD2PAK	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 6 V ~ 26 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 7A  Rds On (Typ) 5.5 mOhm Input Type Non-Inverting  Features - Fault Protection Current Limiting (Fixed), 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
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Output Configuration  High Side  Output Type  N-Channel  Interface  On/Off  Voltage - Load  6 V ~ 26 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  7A  Rds On (Typ)  5.5 mOhm  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), 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 - Load6 V ~ 26 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)7ARds On (Typ)5.5 mOhmInput TypeNon-InvertingFeatures-Fault ProtectionCurrent Limiting (Fixed), 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
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Voltage - Load  6 V ~ 26 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  7A  Rds On (Typ)  5.5 mOhm  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  TO-263-5, D2Pak (4 Leads + Tab), TO-263BB  Supplier Device Package	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd)  Current - Output (Max)  7A  Rds On (Typ)  5.5 mOhm  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), 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)  5.5 mOhm  Input Type  Non-Inverting  Features  - Fault Protection  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  TO-263-5, D2Pak (4 Leads + Tab), TO-263BB  Supplier Device Package	Voltage - Load	6 V ~ 26 V
Rds On (Typ)  5.5 mOhm  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), 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 - Fault Protection Current Limiting (Fixed), 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)	7A
Features - Current Limiting (Fixed), 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)	5.5 mOhm
Fault Protection Current Limiting (Fixed), Over Temperature $ -40^{\circ}\text{C} \sim 150^{\circ}\text{C (TJ)} $ Package / Case $ TO\text{-}263\text{-}5, D2Pak (4 Leads + Tab), TO\text{-}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	-
Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2PAK	Fault Protection	Current Limiting (Fixed), Over Temperature
Supplier Device Package D2PAK	Operating Temperature	-40°C ~ 150°C (TJ)
and the second second	Package / Case	TO-263-5, D2Pak (4 Leads + Tab), TO-263BB
Report errors?	Supplier Device Package	D2PAK
		Report errors?

### **AUIR3317S 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.

## **AUIR3317S Payment Methods**



















### **AUIR3317S Shipping Methods**













If you have any question about AUIR3317S, please do not hesitate to contact us!

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