

IPS511S Information



For Reference Only

Part Number IPS511S

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

DescriptionIC PWR SWITCH N-CHAN 1:1 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.









IPS511S Specifications

Manufacturer Part Number IPS511S Manufacturer Infineon Technologies Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Series - 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 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.7A Rds On (Typ) 110 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 (SMD-220 5-Lead)	-		
Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Series - 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 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.7A Rds On (Typ) 110 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 (SMD-220 5-Lead)	Manufacturer Part Number	IPS511S	
Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Series - Switch Type General Purpose Number of Outputs 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.7A Rds On (Typ) 110 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 (SMD-220 5-Lead)	Manufacturer	Infineon Technologies	
Package TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Series - 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 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.7A Rds On (Typ) 110 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 (SMD-220 5-Lead)	Category	Integrated Circuits (ICs)	
Series - General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.7A Rds On (Typ) 110 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 (SMD-220 5-Lead)		PMIC - Power Distribution Switches, Load Drivers	
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load5.5 V ~ 35 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1.7ARds On (Typ)110 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 (SMD-220 5-Lead)	Package	TO-263-5, D2Pak (4 Leads + Tab), TO-263BB	
Number of Outputs Ratio - Input:Output Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) Rds On (Typ) 110 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 (SMD-220 5-Lead)	Series	-	
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load5.5 V ~ 35 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1.7ARds On (Typ)110 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 (SMD-220 5-Lead)	Switch Type	General Purpose	
Output Configuration Output Type N-Channel Interface On/Off Voltage - Load 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) Input Type 110 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 (SMD-220 5-Lead)	Number of Outputs	1	
Output TypeN-ChannelInterfaceOn/OffVoltage - Load5.5 V ~ 35 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1.7ARds On (Typ)110 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 (SMD-220 5-Lead)	Ratio - Input:Output	1:1	
Interface On/Off Voltage - Load 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.7A Rds On (Typ) 110 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 (SMD-220 5-Lead)	Output Configuration	High Side	
Voltage - Load 5.5 V ~ 35 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 1.7A Rds On (Typ) 110 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 (SMD-220 5-Lead)	Output Type	N-Channel	
Voltage - Supply (Vcc/Vdd) Current - Output (Max) 1.7A Rds On (Typ) 110 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 (SMD-220 5-Lead)	Interface	On/Off	
Current - Output (Max) Rds On (Typ) 110 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 (SMD-220 5-Lead)	Voltage - Load	5.5 V ~ 35 V	
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 (SMD-220 5-Lead)	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 (SMD-220 5-Lead)	Current - Output (Max)	1.7A	
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 (SMD-220 5-Lead)	Rds On (Typ)	110 mOhm	
Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2Pak (SMD-220 5-Lead)	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 (SMD-220 5-Lead)	Features	Auto Restart	
Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package D2Pak (SMD-220 5-Lead)	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature	
Supplier Device Package D2Pak (SMD-220 5-Lead)	Operating Temperature	-40°C ~ 150°C (TJ)	
	Package / Case	TO-263-5, D2Pak (4 Leads + Tab), TO-263BB	
Report errors?	Supplier Device Package	D2Pak (SMD-220 5-Lead)	
			Report errors?

IPS511S 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.

IPS511S Payment Methods





















IPS511S Shipping Methods













If you have any question about IPS511S, please do not hesitate to contact us!

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