

# **TPS2065CDGNR**

#### **TPS2065CDGNR Information**

and a	Part Number Manufacturer Category	TPS2065CDGNR Texas Instruments Integrated Circuits (ICs)	
www.bisieture.com	Description	PMIC - Power Distribution Switches, Load Drivers IC PWR SW USB 1.48A 1CH 8MSOP	
	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	
For Reference Only		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.



# **TPS2065CDGNR Specifications**

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadPackage-Series-Switch TypeUSB SwitchNumber of Outputs1Ratio - Input:Output1:1Dutput ConfigurationHigh SideDutput TypeN-ChannelNolff4.5 V ~ 5.5 VVoltage - LoadA.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredNor-Inverting86 mOhmnput TypeNon-InvertingPaturesLoad Discharge, Status FlagPault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad				
CategoryIntegrated Circuits (ICs)PAckage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadPackage-Switch TypeUSB SwitchSumber of Outputs1Ratio - Input:Output1:1Dutput ConfigurationHigh SideDutput TypeN-ChannelOutput TypeN-ChannelVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredNor-Inverting1ARds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSayplier Device Package8-MSOP-PowerPad	Manufacturer Part Number	TPS2065CDGNR		
PMIC - Power Distribution Switches, Load DriversPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadPackage-Switch TypeUSB SwitchNumber of Outputs1Ratio - Input:Output1:1Dutput ConfigurationHigh SideDutput TypeN-ChannelOutput Type0n/OffVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-MSOP-PowerPad	Manufacturer	Texas Instruments		
Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Switch TypeUSB SwitchNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideDutput TypeN-ChannelOutput TypeOn/OffVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredOutput TypeIACurrent - Output (Max)1AReds On (Typ)86 mOhmnput TypeLoad Discharge, Status FlagFautresLoad Discharge, Status FlagSperating Temperature-40°C ~ 125°C (TJ)Package / Case8-MSOP-PowerPadSupplier Device Package8-MSOP-PowerPad	Category	Integrated Circuits (ICs)		
Series-Switch TypeUSB SwitchSwitch Type1Number of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideDutput TypeN-ChannelOutput TypeOn/OffVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagGault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature4-0°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad		PMIC - Power Distribution Switches, Load Drivers		
Witch TypeUSB SwitchSwitch Type1Number of Outputs1Ratio - Input:Output1:1Dutput ConfigurationHigh SideDutput TypeN-ChannelDutput Type0n/OffVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)86 mOhmPattersLoad Discharge, Status FlagPattersLoad Discharge, Status FlagPatkage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad		
Number of Outputs 1   Ratio - Input:Output 1:1   Output Configuration High Side   Dutput Type N-Channel   Output Type On/Off   voltage - Load 4.5 V ~ 5.5 V   Voltage - Supply (Vcc/Vdd) Not Required   Current - Output (Max) 1A   Rds On (Typ) 86 mOhm   reatures Load Discharge, Status Flag   Features Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO   Operating Temperature -40°C ~ 125°C (TJ)   Package / Case 8-MSOP-PowerPad	Series	-		
Ratio - Input:Output1:1Dutput ConfigurationHigh SideDutput TypeN-ChannelDutput TypeOn/OffVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLODerating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Switch Type	USB Switch		
Dutput ConfigurationHigh SideDutput TypeN-ChannelNotfinOn/OffVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredDurput (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingPactaresLoad Discharge, Status FlagPactarg Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Number of Outputs	1		
Dutput TypeN-ChannelnterfaceOn/OffVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredVoltage - Output (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault Protection-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Ratio - Input:Output	1:1		
InterfaceOn/OffVoltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Output Configuration	High Side		
Woltage - Load4.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingNon-InvertingLoad Discharge, Status FlagFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Output Type	N-Channel		
Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Interface	On/Off		
Current - Output (Max)1ARds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagGault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Voltage - Load	4.5 V ~ 5.5 V		
Rds On (Typ)86 mOhmnput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Voltage - Supply (Vcc/Vdd)	Not Required		
nput TypeNon-InvertingFeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Current - Output (Max)	1A		
FeaturesLoad Discharge, Status FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Rds On (Typ)	86 mOhm		
Fault ProtectionCurrent Limiting (Fixed), Over Temperature, Reverse Current, UVLOOperating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Input Type	Non-Inverting		
Operating Temperature-40°C ~ 125°C (TJ)Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Features	Load Discharge, Status Flag		
Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-PowerPad	Fault Protection	Current Limiting (Fixed), Over Temperature, Reverse Current, UVLO		
Supplier Device Package 8-MSOP-PowerPad	Operating Temperature	-40°C ~ 125°C (TJ)		
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad		
Report errors?	Supplier Device Package	8-MSOP-PowerPad		
			Report errors?	

#### **TPS2065CDGNR 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 EUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

### **TPS2065CDGNR** Payment Methods





If you have any question about TPS2065CDGNR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com