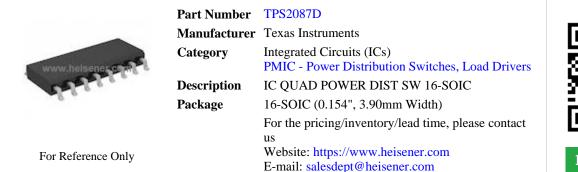


## **TPS2087D**

### **TPS2087D Information**





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.



### **TPS2087D Specifications**

Manufacturer Part Number TPS2087D   Manufacturer Texas Instruments   Category Integrated Circuits (ICs)   PMIC - Power Distribution Switches, Load Drivers PMIC - Power Distribution Switches, Load Drivers   Package 16-SOIC (0.154", 3.90mm Width)   Series -   Switch Type General Purpose   Number of Outputs 4   Ratio - Input:Output 11   Output Configuration High Side   Output Type No-Channel   Output Type No-Channel   Voltage - Load 2.7 V ~ 5.5 V   Voltage - Supply (Voc/Vdd) SomA   Rator Outputs SomA   Rator Output function SomA   Rator Output function SomA   Norting SomA   Status Flag SomA <th>-</th> <th></th>	-	
CategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackage16-SOIC (0.154", 3.90mm Width)Series-Switch TypeGeneral PurposeNumber of Outputs4Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelNotlage - Load0.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredOutput Type500mARaton (Typ)80 mOhmInput TypeSouth StagePackage/ CaseSatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0.6 C (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Manufacturer Part Number	TPS2087D
PMIC - Power Distribution Switches, Load DriversPackage16-SOIC (0.154", 3.90mm Width)Series-Switch TypeGeneral PurposeNumber of Outputs4Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelNotlage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredNorder Output Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingPaturesStatus FlagFaturesStatus FlagFaturesCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)	Manufacturer	Texas Instruments
Package16-SOIC (0.154", 3.90mm Width)Series-Switch TypeGeneral PurposeNumber of Outputs4Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelNordface0/OffVoltage - Load0.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)SolmARator Output50mARator OutputSolmARot OutputStats FlagPatheresStats FlagFeaturesStats FlagPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Category	Integrated Circuits (ICs)
Series-Switch TypeGeneral PurposeNumber of Outputs4Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)80 mOhmFeaturesStatus FlagFull ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)		PMIC - Power Distribution Switches, Load Drivers
Switch TypeGeneral PurposeNumber of Outputs4Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)80 mOhmInput TypeStaus FlagFeaturesSatus FlagFourper Load0°C ~ 125°C (TJ)Operating Temperature16-SOIC (0.154", 3.90mm Width)	Package	16-SOIC (0.154", 3.90mm Width)
Number of Outputs4Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelOutput TypeOn/OffInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)	Series	-
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelOutput TypeOn/OffInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)	Switch Type	General Purpose
Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionO°C ~ 125°C (TJ)Operating Temperature16-SOIC (0.154", 3.90m Width)Supplier Device Package16-SOIC	Number of Outputs	4
Output TypeN-ChannelInterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionO°C ~ 125°C (TJ)Operating Temperature16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Ratio - Input:Output	1:1
InterfaceOn/OffVoltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vd)Not RequiredOurent - Output (Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionO°C ~ 125°C (TJ)Operating Temperature16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Output Configuration	High Side
Voltage - Load2.7 V ~ 5.5 VVoltage - Supply (Vcc/Vd)Not RequiredCurrent - Output (Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Interface	On/Off
Current - Output (Max)500mARds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Voltage - Load	2.7 V ~ 5.5 V
Rds On (Typ)80 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Voltage - Supply (Vcc/Vdd)	Not Required
Input TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Current - Output (Max)	500mA
FeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Rds On (Typ)	80 mOhm
Fault ProtectionCurrent Limiting (Fixed), Over Temperature, UVLOOperating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Input Type	Non-Inverting
Operating Temperature0°C ~ 125°C (TJ)Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Features	Status Flag
Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Fault Protection	Current Limiting (Fixed), Over Temperature, UVLO
Supplier Device Package 16-SOIC	Operating Temperature	0°C ~ 125°C (TJ)
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

#### **TPS2087D 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 BUARANTEE

#### **Service Guarantees**

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



If you have any question about TPS2087D, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com